

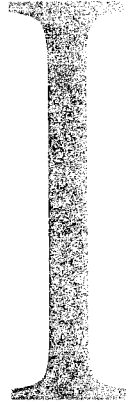
**INITIAL SOIL GAS SAMPLING REPORT  
ROMIC ENVIRONMENTAL TECHNOLOGIES  
CORPORATION**

**Lone Butte Industrial Park  
Gila River Indian Community, Arizona**

June 30, 2008

**IRIS ENVIRONMENTAL**

# IRIS ENVIRONMENTAL



*Via Email and US Mail*

1 July 2008

John Moody, US EPA Project Manager  
US EPA, Region IX  
Waste Management Division  
75 Hawthorne Street (WST-4)  
San Francisco, California 94105

Re: Initial Soil Gas Sampling Report  
Former Romic Environmental Technologies Corp. Facility  
Chandler, Arizona

Dear Mr. Moody:

On behalf of Romic Environmental Technologies Corp. ("Romic") Iris Environmental and Clear Creek Associates are submitting this report presenting the findings from the initial soil gas sampling event conducted at the former Romic Facility and the Allison Road area near the former Romic Facility.

Please do not hesitate to contact me at (510)-834-4747 x21 or [calger@irisenv.com](mailto:calger@irisenv.com) if you have any questions or comments regarding this report.

Sincerely,

IRIS ENVIRONMENTAL

Christopher S. Alger, P.G.  
Principal Engineering Geologist

cc: Esther Manuel, Lone Butte Industrial Development Corporation  
Glenn Stark, Gila River Indian Community Department of Environmental Quality  
Katherine Baylor, US Environmental Protection Agency  
Wayne Kiso, Clarus Management Solutions  
Thomas Suriano, Clear Creek Associates  
Bruce Travers, Geomatrix

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**Lone Butte Industrial Park  
Gila River Indian Community, Arizona**

June 30, 2008

*Prepared for*

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*Prepared by*

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## **1.0 INTRODUCTION**

This Soil Gas Survey (SGS) Report has been prepared to document the results of the initial soil gas sampling conducted on and around the former Romic Environmental Technologies Corporation (Romic) facility located in the Lone Butte Industrial Park in the Gila River Indian Community (GRIC) near Chandler, Arizona (the Site, Figure 1). The work was conducted in accordance with the revised *Initial Soil Gas Sampling Work Plan* dated April 14, 2008 prepared by Iris Environmental and Clear Creek Associates (Iris Environmental 2008). Deviations from the Work Plan are discussed below. The work was conducted under the oversight of Clear Creek Associates and Iris Environmental from April 10, 2008 through April 18, 2008. The data will be incorporated into the preliminary Conceptual Site Model (CSM) currently under development.

### **1.1 GOALS AND PURPOSE**

The purpose of the field investigation was to collect data to support the investigation and monitoring requirements set forth in the Administrative Order on Consent with EPA, RCRA (AO)-09-2008-03 (the "Order") as well as the sampling requirements for closure of hazardous waste management units in accordance with 40 CCFR 264 Subpart G. The data quality objectives for the initial soil gas investigation were to collect data that: 1) were representative of field conditions; and 2) can be used to evaluate whether past operations at the former Romic facility may have contributed volatile organic compounds (VOCs) to the subsurface.

### **1.2 RATIONALE**

As described in the Work Plan, VOCs have been detected in those groundwater monitoring wells located primarily on the southern and southwestern edges of the Romic facility. Soil samples collected during drilling for monitoring well installation were tested for VOCs by USEPA Methods 5035 and 8260. No soil samples had detectable concentrations of VOCs. Therefore, a critical first step in the Site investigation was to further screen the near surface soil at the Romic facility and along Allison Road for evidence of VOC releases or sources. The use of a SGS was appropriate for this investigation step because the higher likelihood of VOC detections in the subsurface compared to discrete soil sampling alone.

## **2.0 DRILLING, INSTALLATION AND SAMPLING**

To maximize the validity of the samples, a standard guidance in the form of the California Department of Toxic Substances Control and California Regional Water Quality Control Board – Los Angeles Region’s January 28, 2003 Advisory –Active Soil Gas Investigations (DTSC-LARWQCB 2003) was used for the soil gas sampling program (Iris Environmental 2008, Appendix A). The field program was performed in accordance with this guidance as well as the Quality Assurance Project Plan (QAPP) presented in the Work Plan (Iris Environmental 2008, Appendix B).

### **2.1 ACCESS AND PERMITTING**

Since all the temporary probes were installed on developed property within the industrial park, cultural clearances were not required. For temporary probes located off the Romic lease property, access approval was obtained from the Lone Butte Industrial Board and the management representatives of Classy Closets and MTD Southwest on whose leased properties three borings were drilled.

The USEPA, GRIC DEQ, and the Lone Butte Industrial Development Corporation (LBIDC) were notified at least two weeks prior to the initiation of field work to install the implants. LBIDC Staff observed boring placement in the vicinity of a water pipeline to confirm clearance for the borings.

### **2.2 SOIL GAS SAMPLING POINT INSTALATION**

As presented in Figure 2, 28 locations were advanced for dual-depth soil gas sampling and analysis and 14 locations were advanced for single-depth soil gas sampling and analysis, as outlined below. Depending on location, soil gas samples were collected from either a single depth of approximately 10 ft (ft.) below ground surface (bgs) per boring or from dual depths of approximately 5 ft. and 15 ft. bgs.

Concrete coring was conducted on April 10, 2008 to prepare the site for drilling. Drilling and installation of the temporary soil gas sampling implants were conducted on April 11 and April 14 through 17, 2008. Prior to drilling, the proposed probe locations were marked and Bluestake was contacted to identify underground utility locations. In addition to Bluestake notification, a private utility locator identified utilities in the vicinity of the proposed boring locations. Final boring locations were adjusted in the field, based on utility clearances. The sampling implants were installed in borings drilled at each sample location using hydraulically-powered direct-push and/or solid-stem auger drilling technology. Drilling was conducted by Geomechanics Southwest, Inc. (GSI),

using a CME-75 drill rig and a Geoprobe™ type drilling system mounted on a low-profile truck. Limited access borings were conducted with a solid-stem auger drilling system mounted on a Bobcat™ rig. During drilling activities, a Photoionization Detector (PID) was utilized to monitor health and safety of the work area and to screen soils for VOCs.

Each boring was completed as either a single implant, or pair of nested sampling implants as described below. Under the oversight of an on-site geologist, dual-depth soil gas sampling implants were installed at 28 locations and single-depth soil gas sampling implants were installed at 14 locations (Figure 2). The soil gas probe construction details are summarized on Table 1. All boring locations were situated outside of the estimated footprint of the subslab liners, with the exception of RSG-031. Prior to advancing drill rods at RSG-031, the fill material below the concrete was removed from atop the liner and the liner was inspected for the presence of liquids and/or staining. No liquids or staining were encountered atop the liner. The liner appeared to be intact and PID monitoring did not indicate the presence of VOCs. Following probe advancement through the liner, and subsequent removal, PID monitoring of the open borehole indicated the presence of VOCs.

Once the total target depth at each location was achieved, the drilling equipment was retracted, leaving an open boring. Using a 1-inch polyvinylchloride (PVC) tremie pipe, 6-inches of clean annual sand pack (10 x 20 mesh Colorado Silica Sand) was placed at the bottom of the borehole followed by the placement of the sampling implant. The sampling implants were constructed with inert disposable Nylaflow™ tubing with an outer diameter of 0.125 inches and an attached microfilter sampling tip. Following installation of the sampling line, 6-inches of sand pack was placed in the borehole with the sand-pack centered around the sampling tip for a total of 1-foot of sand pack. One foot of dry granular bentonite was added to the boring, followed by hydrated granular bentonite to approximately 5.5 ft bgs, six inches below the shallower probe (where scheduled), or to the surface. Hydrated bentonite was added to the borehole by placing water through the tremie pipe and simultaneously adding dry bentonite outside of the tremie pipe through the open borehole.

At locations with nested pair completions, the five-foot sampling implant was installed in the same manner as lower implant. Using the tremie pipe, 6-inches of sand pack was placed on top of the hydrated bentonite beginning at 5.5 ft bgs, followed by the placement of a separate sampling implant (approximately 5 ft bgs). Following installation of the sampling line, 6-inches of sand pack was placed in the borehole with the sand-pack centered around the sampling tip for a total of 1-foot of sand pack. One foot of dry granular bentonite was added to the boring, followed by hydrated granular bentonite to ground surface. Each sampling line was labeled and finished at the surface

with in-line clamps and two way valves. The valves and clamps were closed to prevent the backflow of ambient air into the sampling line and wrapped within two nitrile gloves to prevent contact from dust and/or other materials. The boring locations were secured with traffic cones. Following each boring completion, drill rods and/or solid-stem augers were decontaminated by washing with a high-pressure hot water spray (aka “steam cleaning”). Steam cleaning was performed in a designated area within the Romic facility. The rinsate was disposed of by Romic in accordance with applicable regulations. To allow subsurface conditions to equilibrate, the implants were not purged or sampled for at least 30 minutes, or in the case of augered borings, 48 hours.

### **Deviations from Work Plan**

- Due to the hardness of the near surface soils, a hammer-equipped CME-75 auger rig, rather than a Geoprobe™ type limited access rig, was used to drive a direct push probe for temporary probe installation at the majority of locations. Table 1 includes a summary of the probe installation method used for each soil gas sampling location.
- At six locations (RSG-009, RSG-020, RSG-025, RSG-026, RSG-027 and RSG-037), a solid stem auger, rather than a direct push probe, was required to reach the target depths for implant installation. At these locations, as noted above, the equilibration time between probe installation and sampling was extended to a minimum of 48 hours.
- One planned sample location, RSG-022, was inaccessible due to piled debris. No samples were collected from this location.
- Based on the preliminary findings, a soil vapor extraction (SVE) test well was proactively installed at the location shown on Figure 2. The procedures for installing the SVE test well are discussed below.

### **2.3 PURGE VOLUME TESTS AND SAMPLE COLLECTION**

During the equilibration time following the installation of each implant, the volume of each sampling train, including the annular space of the sand-pack, was calculated to determine the appropriate purge volume. Following equilibration, a syringe was used to purge each sampling train. The number of volumes of the sample line to be purged prior to sampling each location was based upon the results of the purge volume test.

The purge volume test was conducted with the collection of the first sample at location RSG-031 in compliance with DTSC guidance documents. Samples were collected for analysis following the purging of one, three, and seven volumes of vapor from the



sampling train. Upon analysis of each of these samples in the mobile lab, the sample collected after seven purge volumes was found to have the highest concentration of chemicals of concern. Consequently, seven purge volumes was selected as the standard for the Site.

During sampling, a leak detection gas (1,1-difluorethane (1,1-DFA), as found in standard keyboard cleaner) was used to saturate a cloth inside a plastic bag, which was then placed over the ground surface at the borehole to confirm that the sample train and probe rod surface seal is tight and leak free. The leak test was conducted in accordance with DTSC guidance documents, and was conducted at each individual soil gas sampling location. The detection limit for analyses for the leak check compound was 10 micrograms per liter ( $\mu\text{g/L}$ ), in accordance with DTSC guidance. 1,1-DFA was not detected in any samples with the exception of the soil gas sample from RSG-037-5.0. This boring was a step out location adjacent to an earlier boring that was abandoned because of collapsing surface-fill gravels. It is likely that this adjacent boring acted as a preferential pathway for ambient surface air (and leak detection gas) since it was located only approximately 2 feet away. The VOC concentrations detected in sample RSG-037-5.0 are therefore reported as estimated.

Following completion of the first round of soil gas sampling, sampling implants installed within the boundary of the former Romic facility were left in place, with clamps and valves closed, for possible follow-up sampling or pressure monitoring during future SVE pilot testing. All sampling implants located outside the Romic facility were abandoned after the laboratory confirmed a successful analysis of the sample by removing the tubing from the boring and rehydrating the bentonite. The hydrated bentonite seal continued to swell, sealing the tubing void. On-facility implants will be abandoned in place at a later date.

## **2.4 MOBILE LABORATORY TESTING**

Soil gas sample collection and analysis was conducted by H&P Mobile Geochemistry of Carlsbad, California (H&P) using an on-Site mobile laboratory to analyze for VOCs by United States Environmental Protection Agency Method (USEPA Method) 8260B. Samples were collected into sealable 50 cubic centimeter single-use syringes for immediate transport to the mobile laboratory and injection into the mobile laboratory analytical equipment for analysis. The flow rate during purging and sampling was moderated to between 100 and 200 milliliters per minute ( $\text{mL/min}$ ) by the sampler to limit stripping of chemical compounds, to prevent ambient air from diluting the soil gas samples, and to reduce the variability of sampling rates.

Sampling syringes were new and only used for the collection of one sample to prevent cross-contamination between samples; other sampling equipment that also had the potential to come into contact with the soil gas (such as tubing) were only used one time and then contained for proper disposal.

Samples were handled under standard chain of custody (COC) protocol at all times. Samples were logged on a COC at the time of sampling. All samples collected were labeled with a unique identifier consisting of the borehole ID and the depth interval. For example, the soil gas sample collected at 10 ft. bgs from boring SGS-10 was labeled SGS-10-10. Additionally, all sample information was recorded, including sample collection date and time, sampler's initials, and analyses to be performed. This information was logged in the field notebook maintained for the project.

Laboratory data generated from the sampling was evaluated in accordance with the QA/QC process described in the QAPP (Iris Environmental 2008, Appendix B).

## **2.5 SOIL VAPOR EXTRACTION TEST WELL INSTALLATION**

Drilling and installation of soil vapor extraction test well SVE-01 was conducted on April 17, 2008 by GSI under the oversight of Clear Creek Associates. GSI drilled the well boring for SVE-01 using the CME-75 hollow-stem auger drill rig. GSI drilled a nominal 8-5/8 inch well borehole to an approximate depth of 25 feet bgs. Soil samples were collected continuously from 3 feet bgs to the total explored depth for lithologic examination. Soil samples were collected using a 24-inch long split-spoon drive sampler. The split-spoon sampler was lowered by the drill rig cable works inside the drill auger and driven into the native soils below the drill auger using a pneumatic hammer. Soil samples were placed on plastic sheeting for inspection. Lithologic descriptions followed the Unified Soil Classification System (USCS, Figure 3) and included the following information:

- Textural classification
- Color
- Sorting
- Roundness
- Consistency or relative density
- Plasticity

A boring log of SVE-01 is presented in Figure 4. The Arizona Department of Water Resources (ADWR) Regional Groundwater Flow Model of the Salt River Valley (Corell

and Corkhill, 1994) breaks the alluvial deposits in the Salt River Valley into three layers. These layers are the Upper Alluvial Unit (UAU), Middle Alluvial Unit (MAU), and Lower Alluvial Unit (LAU). The UAU is comprised of mainly silt, sand, and gravel, extending from ground surface to 300 feet bgs in the vicinity of the Romic facility. This unit also contains layers of calcite (caliche) deposits.

Well SVE-01 only penetrates the first alluvial layer (UAU) as described in the Salt River Valley flow model. The borehole encountered sediments generally consisting of strongly cemented, caliche-rich sandy silt with lenses (approximately 6-inches thick) of silty sand to the total explored depth of 25 feet bgs.

Casing and annular materials for SVE-01 were installed immediately after completion of borehole drilling. To maintain borehole integrity, the drill pipe was left in the hole until well construction began. The drill pipe was used as a tremie pipe for the installation of the annular materials and was pulled back during well construction. Clear Creek Associates maintained pipe tallies of the casing material and recorded the amount of annular materials installed in the boreholes during well construction. An As-built diagram for well SVE-01 is presented as Figure 4.

The well casing and screen for the well consisted of schedule 40 PVC, 2-inch diameter well screen with 0.020-inch horizontal slots installed from 10 feet to 25 feet bgs. Prior to installation, the well screen slots were modified from 0.020-inch horizontal slots to approximately 0.125-inch horizontal slots using a hack saw. A Schedule 40 PVC bottom cap was installed below the well screen. Schedule 40 PVC, 2-inch diameter, blank well casing was installed from just below the ground surface to 10 feet bgs. After the screen and casing were installed, 3/8-inch mesh pea-gravel was installed from the bottom of the borehole (25 feet bgs) to 8 feet bgs, followed by PelPlug bentonite pellets from 7 feet to 8 feet bgs and granulated bentonite from 6 feet to 7 feet bgs. GSI then filled the upper part of the borehole annulus with cement slurry consisting of Portland Type I/II cement. Following well installation activities, GSI completed the SVE well with a flush-mounted, traffic-rated well vault, secured with locking waterproof seal at the well head. The drill cuttings generated during the drilling of SVE-01 were contained at the surface in 55-gallon steel drums. Disposal of all investigation derived waste will be handled by Romic.

### 3.0 RESULTS

A total of 70 primary soil gas samples were collected and submitted for analysis. An additional 8 samples, either duplicates or purge volume tests, were also collected for quality control purposes.

#### 3.1 RESULTS OF SOIL GAS CHEMICAL ANALYSIS

As previously described in Section 2.0, VOCs were analyzed by USEPA Method 8260B. One or more VOCs were detected in 68 of the 70 primary soil gas samples collected from 40 distinct boring locations. Sample depths and test analyses are summarized in Table 2. Table 3 presents chemical analytical results for each sample. Detections of TCE and PCE are presented graphically in Figure 5. Isometric concentrations are presented in Figure 6 (TCE) and Figure 7 (PCE).

#### 3.2 SUMMARY OF DATA QUALITY

Based on a review of the documentation provided by the laboratory for this investigation, all laboratory analyses for soil gas were performed by H&P in accordance with the analyses specified in the chain-of-custody for each soil gas sample.

In addition, all method-specific and laboratory quality control (QC) criteria were met, with the following exceptions:

- The leak check compound 1,1-DFA was detected above the detection limit of 10 µg/L during the analysis of sample RSG-037-5.0. Results from location RSG-037-5.0 are reported as estimated.

In order to further insure the accuracy of field and laboratory methods, relative percent differences (RPDs) were calculated for all locations where field duplicate samples were collected. The RPD is equal to the positive difference of the two measurements (in µg/l), for each analyte measured, multiplied by 100 and divided by the average of the two measured values. All RPDs for all locations where an analyte was detected in both the primary and duplicate sample were below 100 percent, except for the RPD for methylene chloride at location RSG-023-5.0, where it was exactly 100 percent. DTSC guidance does not specify acceptable RPDs for duplicates of soil gas, but standard laboratory practices indicate that, due to the variable nature of soil gas, RPDs up to a factor of 2 (100%) are acceptable (H&P Mobile Geochemistry's 2004 *Soil Vapor Standard*

*Operating Procedures Fulfilling CA-EPA (DTSC) Soil Gas Advisory*). The detected concentration of methylene chloride at location RSG-023-5.0 was extremely low (0.3 µg/l), which may have contributed to the relatively high RPD. Additionally, the RPDs for other compounds, notably PCE and TCE at location RSG-023-5.0 were both below 10%, indicating that data from the analysis of sample RSG-023-5.0 is likely representative of soil gas conditions at that location.

## 4.0 REFERENCES

- Iris Environmental, 2008. *Initial Soil Gas Sampling Work Plan*. Prepared by Iris Environmental and Clear Creek Associates April 14, 2008
- Department of Toxic Substances Control and California Regional Water Quality Control Board – Los Angeles Region, January 28, 2003. Advisory –Active Soil Gas Investigations.
- H&P Mobile Geochemistry, 2004. *Soil Vapor Standard Operating Procedures Fulfilling CA-EPA (DTSC) Soil Gas Advisory*

## **TABLES**

**TABLE 1 - SOIL GAS PROBE CONSTRUCTION DETAILS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Probe ID	Installation Date	Cadastral / Legal Location	Surface Type	Drill Rig	Drilling Method	Borehole Diameter (inches)	Total Depth (feet bgs)	Probe Depths (feet bgs)	Top of Filter Pack Sand (feet bgs)	Bottom of Filter Pack Sand (feet bgs)
RSG-001	16-Apr-08	D-02-04 04 BDB	Gravel	CME-75	Direct Push	2	10' 5"	9' 11"	9' 5"	10' 5"
RSG-002	16-Apr-08	D-02-04 04 BAC	Landscape	CME-75	Direct Push	2	10' 5"	9' 11"	9' 5"	10' 5"
RSG-003	16-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-004	16-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-005	16-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-006	16-Apr-08	D-02-04 04 BAC	Landscape	CME-75	Direct Push	2	10' 8"	10' 2"	9' 8"	10' 8"
RSG-007	17-Apr-08	D-02-04 04 BDB	Landscape	CME-75	Direct Push	2	10' 9"	10' 3"	9' 9"	10' 9"
RSG-008	16-Apr-08	D-02-04 04 BCA	Landscape	CME-75	Direct Push	2	10' 8"	10' 2"	9' 8"	10' 8"
RSG-009	14-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Solid Stem Auger	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-010	16-Apr-08	D-02-04 04 BBD	Landscape	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-011	16-Apr-08	D-02-04 04 BCA	Landscape	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-012	16-Apr-08	D-02-04 04 BBD	Landscape	CME-75	Direct Push	2	10' 6"	10'	9' 3"	10' 6"
RSG-013	16-Apr-08	D-02-04 04 BCA	Landscape	CME-75	Direct Push	2	10' 6"	10'	9' 6"	10' 6"
RSG-014	16-Apr-08	D-02-04 04 BBD	Landscape	CME-75	Direct Push	2	15' 4"	5' and 14' 10"	4' 6" and 14' 4"	5' 6" and 15' 4"
RSG-015	14-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 3"	5' and 14' 9"	4' 6" and 14' 3"	5' 6" and 15' 3"
RSG-016	14-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-017	14-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-018	14-Apr-08	D-02-04 04 BBD	Concrete (7")	CME-75	Direct Push	2	14' 11"	5' and 14' 5"	4' 6" and 13' 11"	5' 6" and 14' 11"
RSG-019	14-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-020	14-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push and Solid Stem Auger	2 and 4	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-021	14-Apr-08	D-02-04 04 BAC	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 2" and 14' 6"	5' 6" and 15' 6"
RSG-022*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RSG-023	11-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-024	11-Apr-08	D-02-04 04 BBD	Gravel	Truck Mounted Rig	Direct Push	2	10' 5"	9' 11"	9' 5"	10' 5"
RSG-025	15-Apr-08	D-02-04 04 BBD	Ballast (2')	Bobcat Rig	Solid Stem Auger	4	14' 9"	5' and 14' 3"	4' 6" and 13' 9"	5' 6" and 14' 9"
RSG-026	15-Apr-08	D-02-04 04 BBD	Ballast (2')	Bobcat Rig	Solid Stem Auger	4	15'	5' and 14' 6"	4' 6" and 14'	5' 6" and 15'
RSG-027	15-Apr-08	D-02-04 04 BBD	Ballast (2')	Bobcat Rig	Solid Stem Auger	4	14' 11"	5' and 14' 5"	4' 6" and 13' 11"	5' 6" and 14' 11"
RSG-028	15-Apr-08	D-02-04 04 BBD	Concrete (7")	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-029	15-Apr-08	D-02-04 04 BBD	Concrete (8")	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-030	11-Apr-08	D-02-04 04 BBD	Concrete (6")	CME-75	Direct Push	2	15'	5' and 14' 6"	4' 6" and 14'	5' 6" and 15'
RSG-031	11-Apr-08	D-02-04 04 BBD	Concrete (6.5")	CME-75	Direct Push	2	15'	5' and 14' 6"	4' 6" and 14'	5' 6" and 15'
RSG-032	11-Apr-08	D-02-04 04 BBD	Gravel	Truck Mounted Rig	Direct Push	2	10' 3"	9' 9"	9' 3"	10' 3"
RSG-033	15-Apr-08	D-02-04 04 BBD	Concrete (6")	CME-75	Direct Push	2	15' 7"	5' and 15' 1"	4' 6" and 14' 7"	5' 6" and 15' 7"
RSG-034	15-Apr-08	D-02-04 04 BBD	Concrete (8")	CME-75	Direct Push	2	16'	5' and 15' 5"	4' 6" and 15'	5' 6" and 16'
RSG-035	15-Apr-08	D-02-04 04 BBD	Concrete (7")	CME-75	Direct Push	2	15'	5' and 14' 6"	4' 6" and 14'	5' 6" and 15'
RSG-036	14-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-037	14-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Solid Stem Auger	4	15'	5' and 14' 6"	4' 2" and 14'	5' 6" and 15'
RSG-038	15-Apr-08	D-02-04 04 BBD	Concrete (7")	CME-75	Direct Push	2	15'	5' and 14' 6"	4' 6" and 14'	5' 6" and 15'
RSG-039	15-Apr-08	D-02-04 04 BBD	Concrete (6.5")	CME-75	Direct Push	2	15' 7"	5' and 15' 1"	4' 6" and 14' 7"	5' 6" and 15' 7"
RSG-040	15-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 7"	5' and 15' 1"	4' 6" and 14' 7"	5' 6" and 15' 7"
RSG-041	15-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 9"	5' and 15' 3"	4' 6" and 14' 9"	5' 6" and 15' 9"
RSG-042	15-Apr-08	D-02-04 04 BBD	Gravel	CME-75	Direct Push	2	15' 6"	5' and 15'	4' 6" and 14' 6"	5' 6" and 15' 6"
RSG-043	15-Apr-08	D-02-04 04 BBD	Concrete (6.5")	CME-75	Direct Push	2	15' 10"	5' and 15' 4"	4' 6" and 14' 10"	5' 6" and 15' 10"

**Notes:**

feet bgs: Feet below ground surface

\* RSG-022 not installed due to obstructions in vicinity of proposed boring.



**TABLE 2 - SUMMARY OF SAMPLE DEPTHS AND ANALYSES**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	Boring Type	No. Samples per Boring	Sample Depths <sup>(2)</sup>	Summary of Analyses <sup>(1)</sup>
				VOCs
RSG-001	Single Implant	One	10	X
RSG-002	Single Implant	One	10	X
RSG-003	Single Implant	One	10	X
RSG-004	Single Implant	One	10	X
RSG-005	Single Implant	One	10	X
RSG-006	Single Implant	One	10	X
RSG-007	Single Implant	One	10	X
RSG-008	Single Implant	One	10	X
RSG-009	Dual Implant	Two	5, 15	X
RSG-010	Single Implant	One	10	X
RSG-011	Single Implant	One	10	X
RSG-012	Single Implant	One	10	X
RSG-013	Single Implant	One	10	X
RSG-014	Dual Implant	Two	5, 15	X
RSG-015	Dual Implant	Two	5, 15	X
RSG-016	Dual Implant	Two	5, 15	X
RSG-017	Dual Implant	Two	5, 15	X
RSG-018	Dual Implant	Two	5, 15	X
RSG-019	Dual Implant	Two	5, 15	X
RSG-020	Dual Implant	Two	5, 15	X
RSG-021	Dual Implant	Two	5, 15	X
RSG-022*	--	--	--	--
RSG-023	Dual Implant	Two	5, 15	X
RSG-024	Single Implant	One	10	X
RSG-025	Dual Implant	Two	5, 15	X
RSG-026	Dual Implant	Two	5, 15	X
RSG-027	Dual Implant	Two	5, 15	X
RSG-028	Dual Implant	Two	5, 15	X
RSG-029	Dual Implant	Two	5, 15	X
RSG-030	Dual Implant	Two	5, 15	X
RSG-031	Dual Implant	Two	5, 15	X
RSG-032	Single Implant	One	10	X
RSG-033	Dual Implant	Two	5, 15	X
RSG-034	Dual Implant	Two	5, 15	X
RSG-035	Dual Implant	Two	5, 15	X
RSG-036	Dual Implant	Two	5, 15	X
RSG-037	Dual Implant	Two	5, 15	X
RSG-038	Dual Implant	Two	5, 15	X
RSG-039	Dual Implant	Two	5, 15	X
RSG-040	Dual Implant	Two	5, 15	X
RSG-041	Dual Implant	Two	5, 15	X
RSG-042	Dual Implant	Two	5, 15	X
RSG-043	Dual Implant	Two	5, 15	X

**Notes:**

(1) "VOCs" indicates halogenated volatile compounds by USEPA method 8260.

(2) Except where noted, sample depths indicated in approximate feet below ground surface.

\* RSG-022 not installed due to obstructions in vicinity of proposed boring.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-001-10	RSG-002-10	RSG-003-10	RSG-004-10	RSG-005-10	RSG-006-10	RSG-007-10	RSG-008-10
Depth (ft bgs)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Date	4/16/2008	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/16/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5
1,1-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.2</b>	<b>1.3</b>	< 0.1	<b>2.0</b>
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>0.7</b>
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	<b>0.3</b>	<b>0.2</b>	< 0.1	< 0.1	< 0.1	<b>0.1</b>	< 0.1	< 0.1
Trichloroethene	< 0.1	< 0.1	< 0.1	<b>0.1</b>	<b>3.0</b>	<b>2.9</b>	< 0.1	<b>1.9</b>
Toluene	<b>1.0</b>	<b>0.7</b>	< 0.5	< 0.5	< 0.5	<b>0.8</b>	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.1	< 0.1	< 0.1	<b>0.2</b>	<b>1.1</b>	<b>7.4</b>	< 0.1	<b>2.0</b>
Ethylbenzene	<b>0.1</b>	<b>0.1</b>	< 0.1	< 0.1	< 0.1	<b>0.2</b>	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>0.6</b>	< 0.5	< 0.5
o-Xylene	<b>0.1</b>	< 0.1	< 0.1	<b>0.2</b>	< 0.1	<b>0.1</b>	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above reporting limit shown.

J = result represents an estimated value due to detection of the leak check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-009-5	RSG-009-15	RSG-009-15 dup	RSG-010-10	RSG-011-10	RSG-012-10	RSG-013-10	RSG-014-5
Depth (ft bgs)	5.0	15.0	15.0	10.0	10.0	10.0	10.0	5.0
Date	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/16/2008	4/17/2008	4/16/2008	4/17/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1
1,1-Dichloroethene	<b>0.4</b>	<b>4.1</b>	<b>4.0</b>	<b>28</b>	<b>0.2</b>	<b>9.1</b>	<b>0.5</b>	<b>10</b>
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5	< 0.5	< 0.5	<b>5.2</b>	< 0.5	<b>0.5</b>	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	< 0.1	< 0.1	< 0.1	<b>0.4</b>	< 0.1	<b>0.2</b>	< 0.1	<b>0.2</b>
cis-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	<b>0.1</b>	< 0.1	<b>0.2</b>	< 0.1	<b>0.1</b>
Chloroform	< 0.1	< 0.1	< 0.1	<b>0.6</b>	< 0.1	<b>0.2</b>	< 0.1	<b>0.4</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	< 0.1	< 0.1	< 0.1	<b>0.3</b>	< 0.1	<b>0.1</b>	< 0.1	< 0.1
Trichloroethene	<b>2.0</b>	<b>15</b>	<b>13</b>	<b>59</b>	<b>0.2</b>	<b>40</b>	<b>0.7</b>	<b>51</b>
Toluene	< 0.5	< 0.5	< 0.5	<b>1.2</b>	< 0.5	<b>0.7</b>	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>5.3</b>	<b>53</b>	<b>40</b>	<b>100</b>	<b>0.2</b>	<b>51</b>	<b>1.2</b>	<b>77</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	<b>0.2</b>	< 0.1	<b>0.2</b>	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	<b>0.8</b>	< 0.5	<b>0.7</b>	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	<b>0.2</b>	< 0.1	<b>0.2</b>	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-014-15	RSG-015-5	RSG-015-15	RSG-016-5	RSG-016-15	RSG-017-5	RSG-017-15	RSG-018-5
Depth (ft bgs)	15.0	5.0	15.0	5.0	15.0	5.0	15.0	5.0
Date	4/17/2008	4/15/2008	4/15/2008	4/14/2008	4/14/2008	4/15/2008	4/15/2008	4/14/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 10	< 10	< 0.5	< 0.5	< 10	< 10	< 0.5
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>23</b>	<b>3.0</b>	<b>5.0</b>	<b>0.3</b>	<b>0.5</b>	<b>0.5</b>	<b>1.6</b>	<b>18</b>
Methylene chloride	< 0.1	< 0.1	< 0.1	<b>0.1</b>	<b>0.1</b>	< 0.1	< 0.1	<b>0.1</b>
Freon 113	<b>1.1</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	<b>0.4</b>	<b>0.1</b>	<b>0.3</b>	< 0.1	<b>0.2</b>	<b>0.1</b>	<b>0.6</b>	<b>1.2</b>
cis-1,2-Dichloroethene	<b>0.3</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroform	<b>0.5</b>	<b>0.4</b>	<b>0.7</b>	< 0.1	< 0.1	<b>0.1</b>	<b>0.5</b>	<b>20</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.2</b>
Benzene	<b>0.1</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.1</b>
Trichloroethene	<b>100</b>	<b>9.2</b>	<b>16</b>	<b>2.9</b>	<b>3.0</b>	<b>4.7</b>	<b>20</b>	<b>110</b>
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>130</b>	<b>18</b>	<b>24</b>	<b>0.8</b>	<b>1.2</b>	<b>3.6</b>	<b>13</b>	<b>99</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above reporting limit shown.

J = result represents an estimated value due to detection of the leak check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-018-15	RSG-018-15 dup	RSG-019-5	RSG-019-5 dup	RSG-019-15	RSG0-20-5	RSG-020-15	RSG-021-5
Depth (ft bgs)	15.0	15.0	5.0	5.0	15.0	5.0	15.0	5.0
Date	4/14/2008	4/14/2008	4/15/2008	4/15/2008	4/15/2008	4/14/2008	4/14/2008	4/14/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 0.5	<10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>27</b>	<b>23</b>	< 0.1	< 0.1	<b>0.3</b>	< 0.1	<b>0.2</b>	<b>1.7</b>
Methylene chloride	<b>0.1</b>	<b>0.1</b>	< 0.1	< 0.1	< 0.1	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	<b>2.2</b>	<b>1.8</b>	< 0.1	< 0.1	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>1.5</b>
cis-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.2</b>	<b>0.3</b>	<b>0.5</b>	<b>1.5</b>
Chloroform	<b>34</b>	<b>29</b>	< 0.1	< 0.1	<b>0.2</b>	< 0.1	< 0.1	<b>0.1</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	<b>0.7</b>	<b>0.5</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	<b>0.2</b>	<b>0.1</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>180</b>	<b>140</b>	<b>0.4</b>	<b>0.3</b>	<b>4.4</b>	<b>1.7</b>	<b>1.5</b>	<b>7.5</b>
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>260</b>	<b>120</b>	<b>0.2</b>	<b>0.2</b>	<b>2.2</b>	<b>0.8</b>	<b>0.3</b>	<b>4.0</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-021-15	RSG-023-5	RSG-023-5 dup	RSG-023-15	RSG-024-10	RSG-025-5	RSG-025-15	RSG-026-5
Depth (ft bgs)	15.0	5.0	5.0	15.0	10	5.0	15.0	5.0
Date	4/14/2008	4/14/2008	4/14/2008	4/14/2008	4/14/2008	4/18/2008	4/18/2008	4/18/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	<10	< 0.5	< 0.5	< 0.5	< 0.5	<10	<10	<10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<b>1.7</b>	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<b>0.3</b>	<0.1
Methylene chloride	<b>0.1</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	< 0.1	<0.1	<0.1	<0.1
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	<b>2.1</b>	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.2</b>	<b>0.8</b>	< 0.1
cis-1,2-Dichloroethene	<b>2.4</b>	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.4</b>	<b>1.7</b>	< 0.1
Chloroform	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	< 0.1	<b>0.2</b>	<b>0.4</b>	< 0.1
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>8.8</b>	<b>1.8</b>	<b>1.7</b>	<b>2.0</b>	< 0.1	<b>1.4</b>	<b>4.3</b>	<0.1
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
Tetrachloroethene	<b>4.7</b>	<b>19</b>	<b>18</b>	<b>8.7</b>	<b>0.2</b>	<b>3.1</b>	<b>10</b>	<b>0.1</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above reporting limit shown.

J = result represents an estimated value due to detection of the leak check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-026-15	RSG-026-15 dup	RSG-027-5	RSG-027-15	RSG-028-5	RSG-028-15	RSG-029-5	RSG-029-15
Depth (ft bgs)	15.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0
Date	4/18/2008	4/18/2008	4/18/2008	4/18/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	<10	<10	<10	<10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>0.5</b>	<b>0.4</b>	< 0.1	<b>0.4</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>1.4</b>
Methylene chloride	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	<0.5	<0.5	< 0.5	< 0.5	<b>3.2</b>	<b>3.7</b>	< 0.5	< 0.5
trans-1,2-Dichloroethene	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	<b>0.3</b>	<b>0.3</b>	< 0.1	<b>0.3</b>	<b>2.1</b>	<b>2.1</b>	<b>1.2</b>	<b>1.5</b>
cis-1,2-Dichloroethene	<b>0.5</b>	<b>0.4</b>	< 0.1	<b>0.3</b>	<b>1.5</b>	<b>1.7</b>	<b>0.7</b>	<b>0.7</b>
Chloroform	<b>0.2</b>	<b>0.1</b>	< 0.1	<0.1	<b>3.3</b>	<b>3.4</b>	<b>1.9</b>	<b>2.9</b>
1,1,1-Trichloroethane	<b>0.4</b>	<b>0.4</b>	< 0.1	<b>0.2</b>	<b>0.1</b>	<0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.1</b>	<b>0.5</b>	< 0.1	<b>0.2</b>
Benzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>2.1</b>	<b>1.9</b>	<b>0.3</b>	<b>2.9</b>	<b>44</b>	<b>40</b>	<b>28</b>	<b>37</b>
Toluene	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	<0.1	<0.1	<0.1	<0.1	< 0.1	<b>0.2</b>	< 0.1	<b>0.1</b>
Tetrachloroethene	<b>2.5</b>	<b>2.0</b>	<b>0.1</b>	<b>1.8</b>	<b>88</b>	<b>73</b>	<b>68</b>	<b>72</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-029-15 dup	RSG-030-5	RSG-030-15	RSG-031-5	i PV RSG-031-15	3 PV RSG-031-15	7 PV RSG-031-15	RSG-032-10
Depth (ft bgs)	15.0	5.0	15.0	5.0	15.0	15.0	15.0	10
Date	4/16/2008	4/14/2008	4/14/2008	4/14/2008	4/14/2008	4/14/2008	4/14/2008	4/14/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>1.3</b>	<b>1.7</b>	<b>2.5</b>	<b>2.2</b>	<b>2.5</b>	<b>2.3</b>	<b>2.5</b>	<b>0.2</b>
Methylene chloride	< 0.1	<b>0.1</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5	< 0.5	<b>0.5</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	<b>1.4</b>	<b>1.4</b>	<b>1.9</b>	<b>1.0</b>	<b>1.3</b>	<b>1.3</b>	<b>1.4</b>	<b>0.1</b>
cis-1,2-Dichloroethene	<b>0.7</b>	<b>2.1</b>	<b>3.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	< 0.1
Chloroform	<b>2.9</b>	<b>2.3</b>	<b>2.9</b>	<b>3.1</b>	<b>2.7</b>	<b>2.7</b>	<b>3.0</b>	<b>0.3</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	<b>0.1</b>	< 0.1	< 0.1	< 0.1	<b>0.1</b>
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	<b>0.2</b>	< 0.1	< 0.1	<b>1.8</b>	<b>4.9</b>	<b>4.5</b>	<b>5.3</b>	< 0.1
Benzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>33</b>	<b>33</b>	<b>41</b>	<b>43</b>	<b>45</b>	<b>42</b>	<b>53</b>	<b>3.9</b>
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	<b>0.2</b>	<b>0.2</b>	<b>0.5</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	< 0.1
Tetrachloroethene	<b>57</b>	<b>74</b>	<b>86</b>	<b>110</b>	<b>88</b>	<b>82</b>	<b>120</b>	<b>8.2</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.



**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-033-5	RSG-033-15	RSG-034-5	RSG-034-15	RSG-035-5	RSG-035-15	RSG-036-5	RSG-036-15
Depth (ft bgs)	5.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0
Date	4/15/2008	4/15/2008	4/15/2008	4/15/2008	4/16/2008	4/16/2008	4/15/2008	4/15/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	< 0.1	<b>0.3</b>	<b>1.4</b>	<b>1.9</b>	<b>5.9</b>	<b>6.4</b>	<b>13</b>	<b>16</b>
Methylene chloride	< 0.1	< 0.1	< 0.1	<b>0.1</b>	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	< 0.1	<b>0.1</b>	<b>0.3</b>	<b>0.5</b>	<b>1.7</b>	<b>2.3</b>	<b>2.0</b>	<b>2.9</b>
cis-1,2-Dichloroethene	< 0.1	< 0.1	<b>1.3</b>	<b>1.8</b>	<b>2.1</b>	<b>3.8</b>	<b>0.3</b>	<b>0.5</b>
Chloroform	< 0.1	<b>0.4</b>	<b>0.9</b>	<b>1.4</b>	<b>2.5</b>	<b>2.9</b>	<b>13</b>	<b>18</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	<b>1.7</b>	<b>3.4</b>	<b>2.0</b>	<b>6.2</b>
Benzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.1</b>	<b>0.2</b>
Trichloroethene	<b>1.1</b>	<b>4.2</b>	<b>23</b>	<b>24</b>	<b>110</b>	<b>120</b>	<b>150</b>	<b>170</b>
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>3.4</b>	<b>12</b>	<b>76</b>	<b>55</b>	<b>130</b>	<b>130</b>	<b>110</b>	<b>120</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-037-5	RSG-037-15	RSG-038-5	RSG-038-15	RSG-039-5	RSG-039-15	RSG-040-5	RSG-040-15
Depth (ft bgs)	5.0	15.0	5.0	15.0	5.0	15.0	5.0	15.0
Date	4/17/2008	4/17/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	<b>380 J</b>	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>0.2 J</b>	<b>5.4</b>	<b>2.3</b>	<b>2.5</b>	<b>3.9</b>	<b>6.3</b>	<b>0.9</b>	<b>2.4</b>
Methylene chloride	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5 J	< 0.5	<b>0.5</b>	<b>0.5</b>	< 0.5	<b>0.5</b>	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	<b>0.1 J</b>	<b>0.5</b>	<b>0.5</b>	<b>1.1</b>	<b>0.5</b>	<b>1.2</b>	< 0.1	<b>0.3</b>
cis-1,2-Dichloroethene	<b>0.9 J</b>	<b>1.7</b>	<b>0.5</b>	<b>1.3</b>	<b>0.7</b>	<b>2.0</b>	< 0.1	< 0.1
Chloroform	<b>0.1 J</b>	<b>0.5</b>	<b>1.2</b>	<b>2.7</b>	<b>0.8</b>	<b>1.7</b>	<b>0.1</b>	<b>0.3</b>
1,1,1-Trichloroethane	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1 J	< 0.1	< 0.1	<b>0.2</b>	< 0.1	< 0.1	< 0.1	<b>0.2</b>
Benzene	<b>0.1 J</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>9.3 J</b>	<b>45</b>	<b>38</b>	<b>52</b>	<b>45</b>	<b>78</b>	<b>5.9</b>	<b>18</b>
Toluene	< 0.5 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>14 J</b>	<b>44</b>	<b>150</b>	<b>140</b>	<b>150</b>	<b>250</b>	<b>70</b>	<b>230</b>
Ethylbenzene	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

< = analyte not detected above reporting limit shown.

J = result represents an estimated value due to detection of the leak check compound in sample.

**TABLE 3 - SOIL GAS SAMPLING RESULTS**  
**Romic Environmental Technologies Corporation**  
**Gila River Indian Community, Arizona**

Sample ID	RSG-041-5	RSG-041-15	RSG-042-5	RSG-042-15	RSG-043-5	RSG-043-15
Depth (ft bgs)	5.0	15.0	5.0	15.0	5.0	15.0
Date	4/16/2008	4/16/2008	4/15/2008	4/15/2008	4/15/2008	4/15/2008
Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
1,1-Difluoroethane	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene	<b>1.6</b>	<b>4.4</b>	<b>0.8</b>	<b>1.4</b>	< 0.1	< 0.1
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Freon 113	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	< 0.1	<b>0.2</b>	< 0.1	<b>0.1</b>	< 0.1	< 0.1
cis-1,2-Dichloroethene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<b>0.3</b>
Chloroform	< 0.1	<b>0.2</b>	<b>0.1</b>	<b>0.3</b>	< 0.1	<b>0.2</b>
1,1,1-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon tetrachloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	<b>15</b>	<b>46</b>	<b>3.6</b>	<b>5.6</b>	<b>0.2</b>	<b>0.8</b>
Toluene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	<b>16</b>	<b>46</b>	<b>160</b>	<b>180</b>	<b>6.8</b>	<b>10</b>
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
m,p-Xylene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	< 0.1	< 0.1	< 0.1	<b>0.1</b>	< 0.1	< 0.1
1,1,2,2-Tetrachloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Notes:**

ft bgs = feet below ground surface.

µg/l = micrograms per liter

PV = purge volume

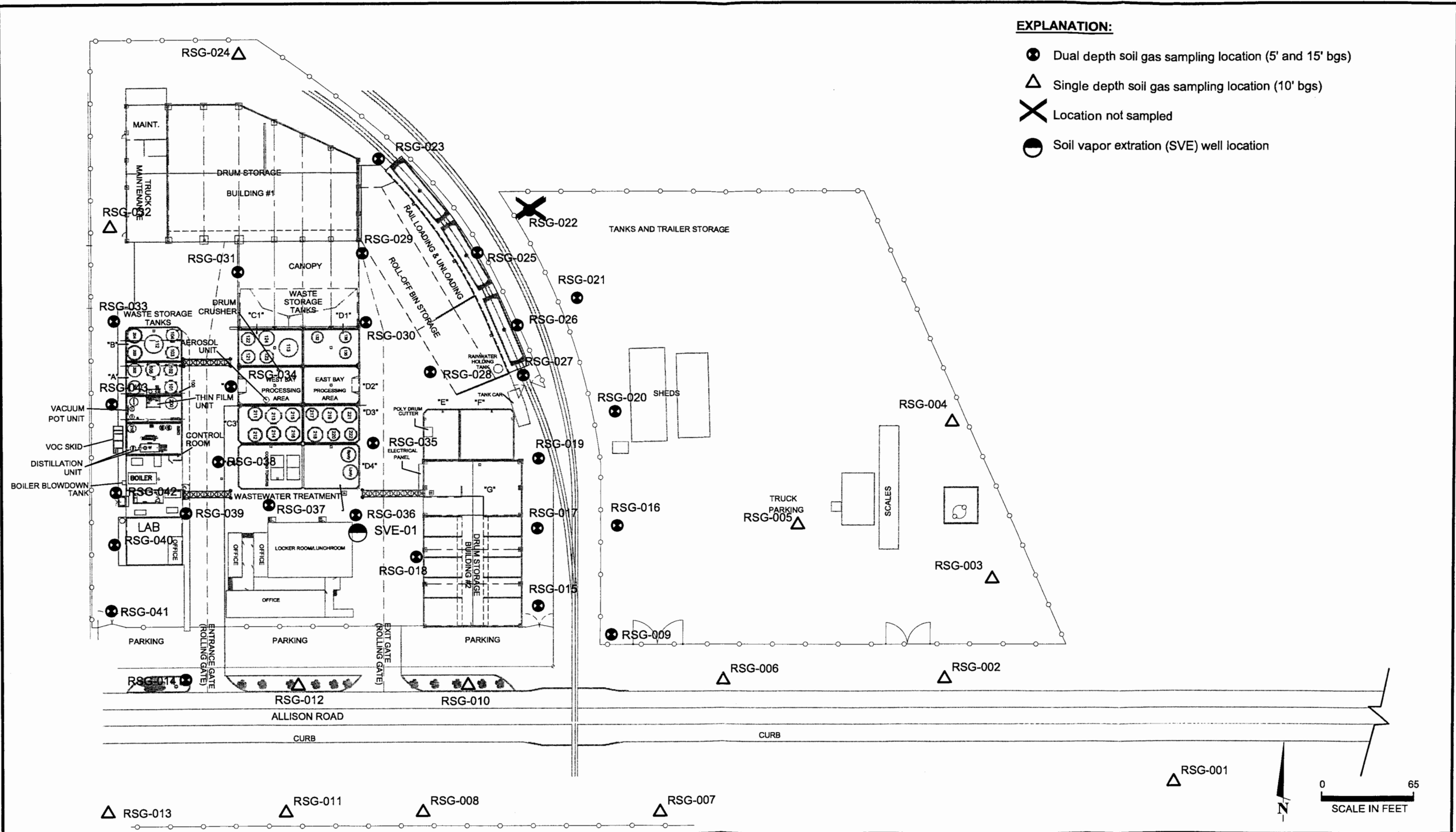
< = analyte not detected above  
reporting limit shown.

J = result represents an estimated  
value due to detection of the leak  
check compound in sample.

## FIGURES



I:\Romic\Romic AZ\CAD\Site Plan.dwg



**IRIS ENVIRONMENTAL**  
1438 Webster Street, Suite 302  
Oakland, California 94612  
Ph. (510) 834-4747 Fax: (510) 834-4199

**Soil Gas Sampling Locations**  
Romac Southwest  
Chandler, Arizona

Drafter: EC

Date: 6/19/08

Figure

**2**

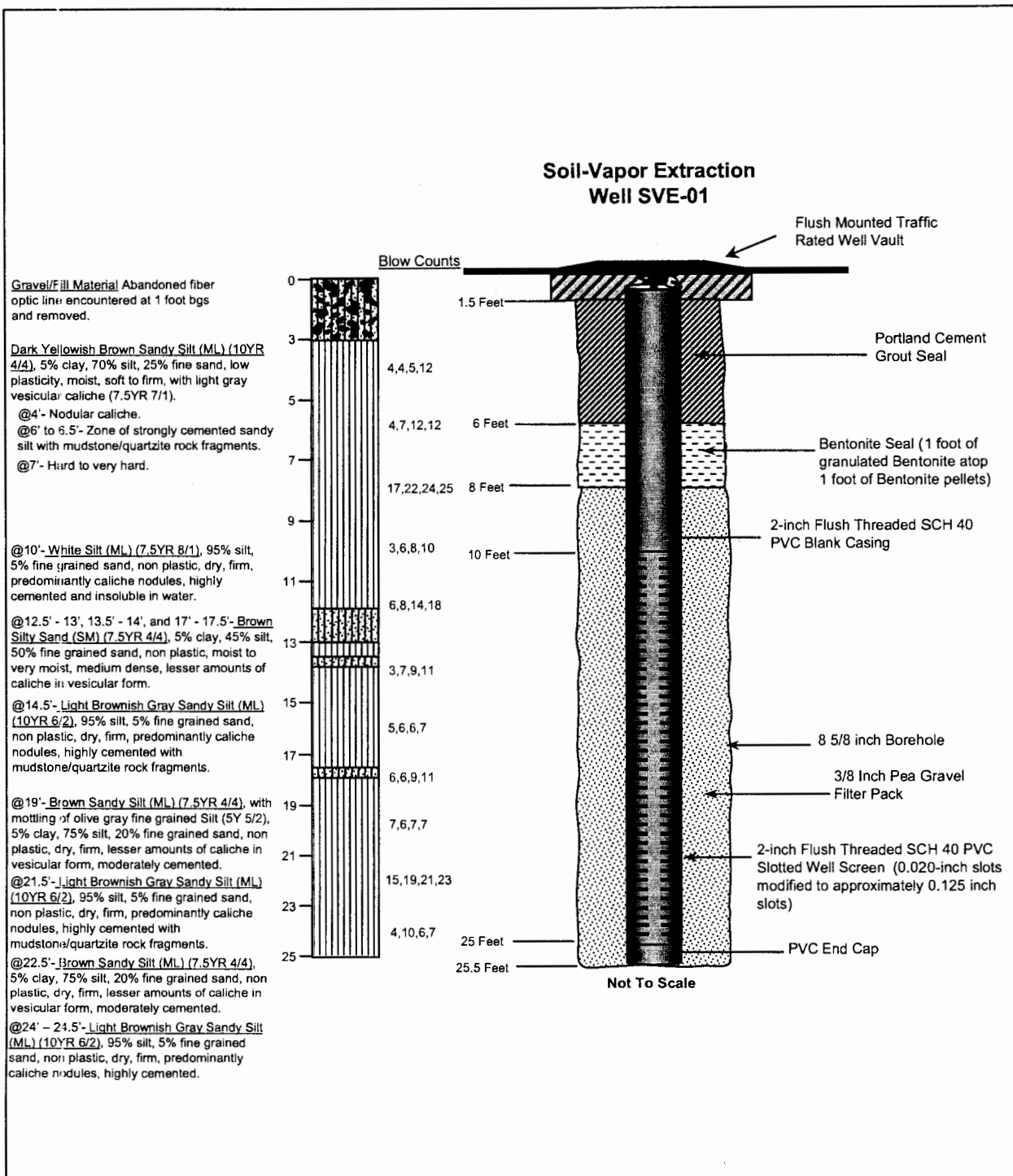
Contract Number: 07-555-B

## Unified Soil Classification System

Major Divisions			Graph Symbol	Letter Symbol	Typical Description
Coarse Grained Soils	Gravel and Gravelly Soils	Clean Gravels (little or no fines)		<b>GW</b>	Well-graded gravels, gravel-sand mixtures, little or no fines
				<b>GP</b>	Poorly-graded gravels, gravel-sand mixtures, little or no fines
	More Than 50% of Coarse Fraction <u>Retained</u> on No. 4 Sieve	Gravels with Fines (appreciable amount of fines)		<b>GM</b>	Silty gravels, gravel-sand-silt mixtures
				<b>GC</b>	Clayey gravels, gravel-sand-clay mixtures
		Clean Sand (little or no fines)		<b>SW</b>	Well-graded sands, gravelly sands, little or no fines
				<b>SP</b>	Poorly-graded sands, gravelly sands, little or no fines
		Sands with Fines (appreciable amount of fines)		<b>SM</b>	Silty sands, sand-silt mixtures
			<b>SC</b>	Clayey sands, sand-clay mixtures	
Fine Grained Soils	Sils and Clays	Liquid limit <u>Less</u> than 50		<b>ML</b>	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				<b>CL</b>	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				<b>OL</b>	Organic silts and organic silty clays of low plasticity
	Sils and Clays	Liquid limit <u>Greater</u> than 50		<b>MH</b>	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				<b>CH</b>	Inorganic clays of high plasticity, fat clays
				<b>OH</b>	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				<b>PT</b>	Peat, Humus, swamp soils with high organic contents

**FIGURE 3**  
**EXPLANATION OF UNIFIED SOIL**  
**CLASSIFICATION SYSTEM**  
**AND LITHOLOGIC LOG SYMBOLS**

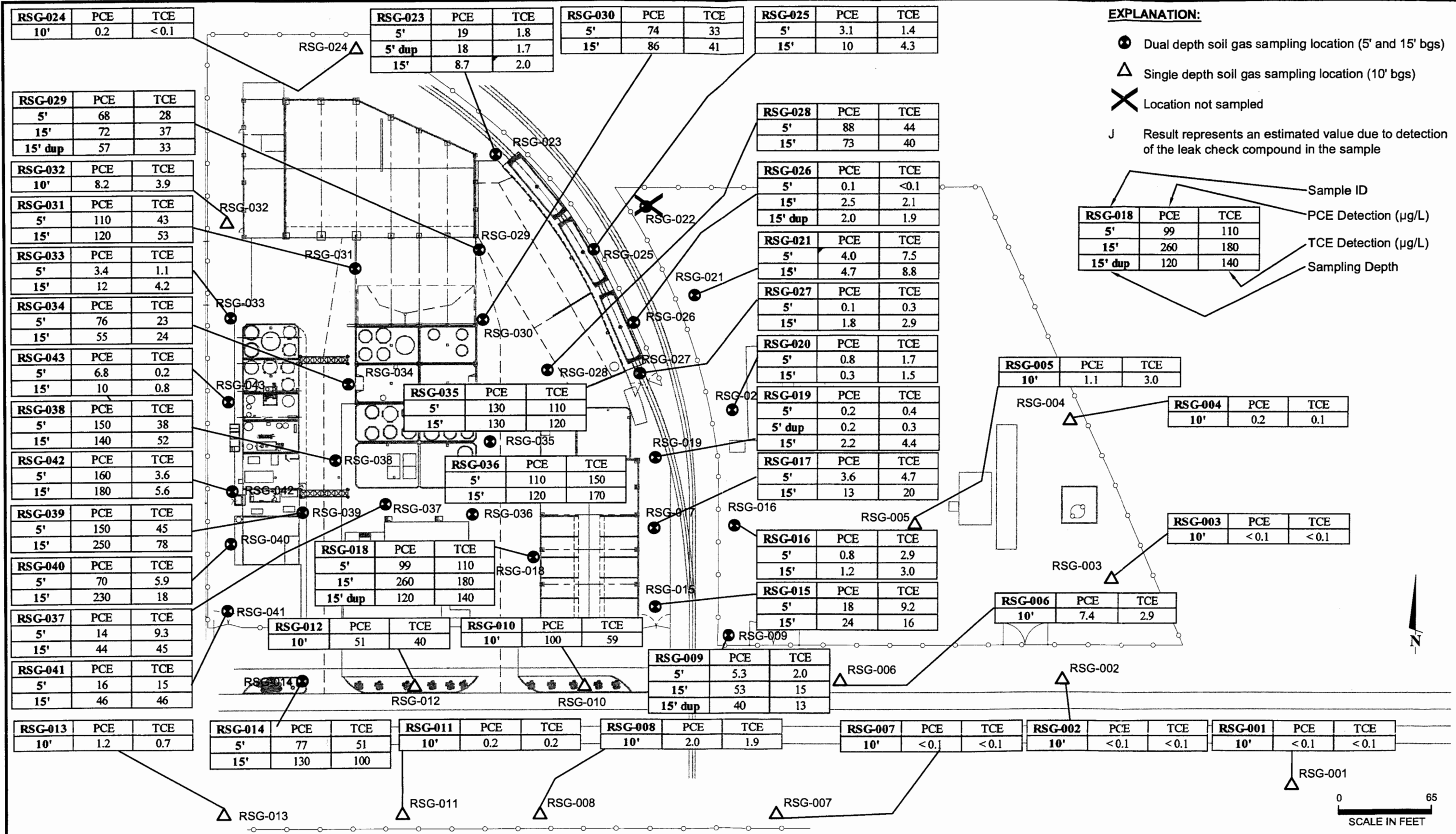
Soil-Gas Investigation Report Romic  
Environmental Technologies  
Gila River Indian Community, Arizona



#### Notes

Site Coordinates: North 33° 17' 18.8", West 111° 57' 28.5"  
 Cadastral: D(2-4)4bbd  
 Measuring Point Elevation: 1152 ft  
 Date Drilled: 4/17/2008  
 Drilling Company: Geomechanics Southwest, Inc.  
 Drilling Rig / Method: Hollow-stem Auger

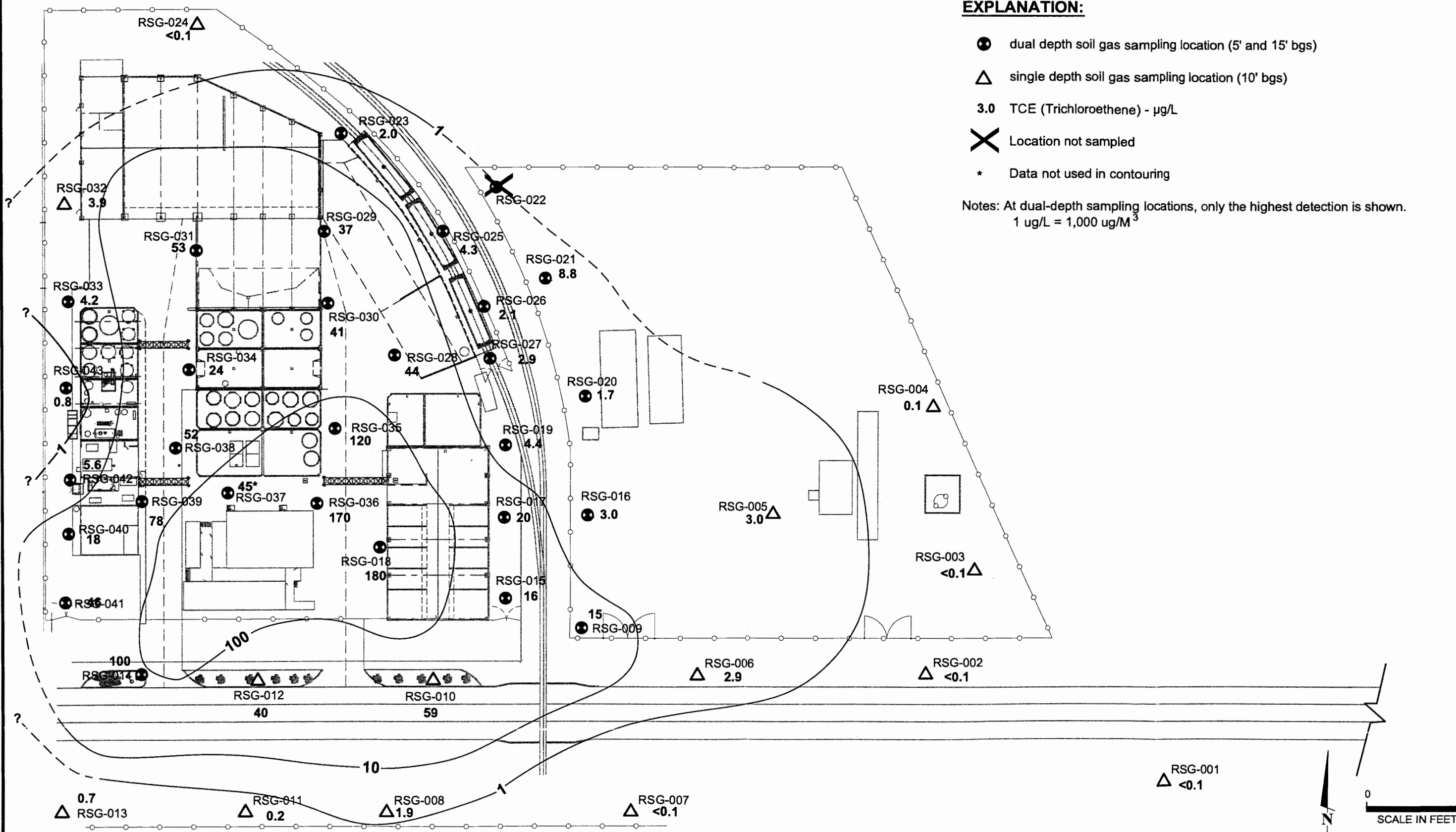




**EXPLANATION:**

- dual depth soil gas sampling location (5' and 15' bgs)
- △ single depth soil gas sampling location (10' bgs)
- 3.0 TCE (Trichloroethene) - µg/L
- ✕ Location not sampled
- \* Data not used in contouring

Notes: At dual-depth sampling locations, only the highest detection is shown.  
1 ug/L = 1,000 ug/M<sup>3</sup>

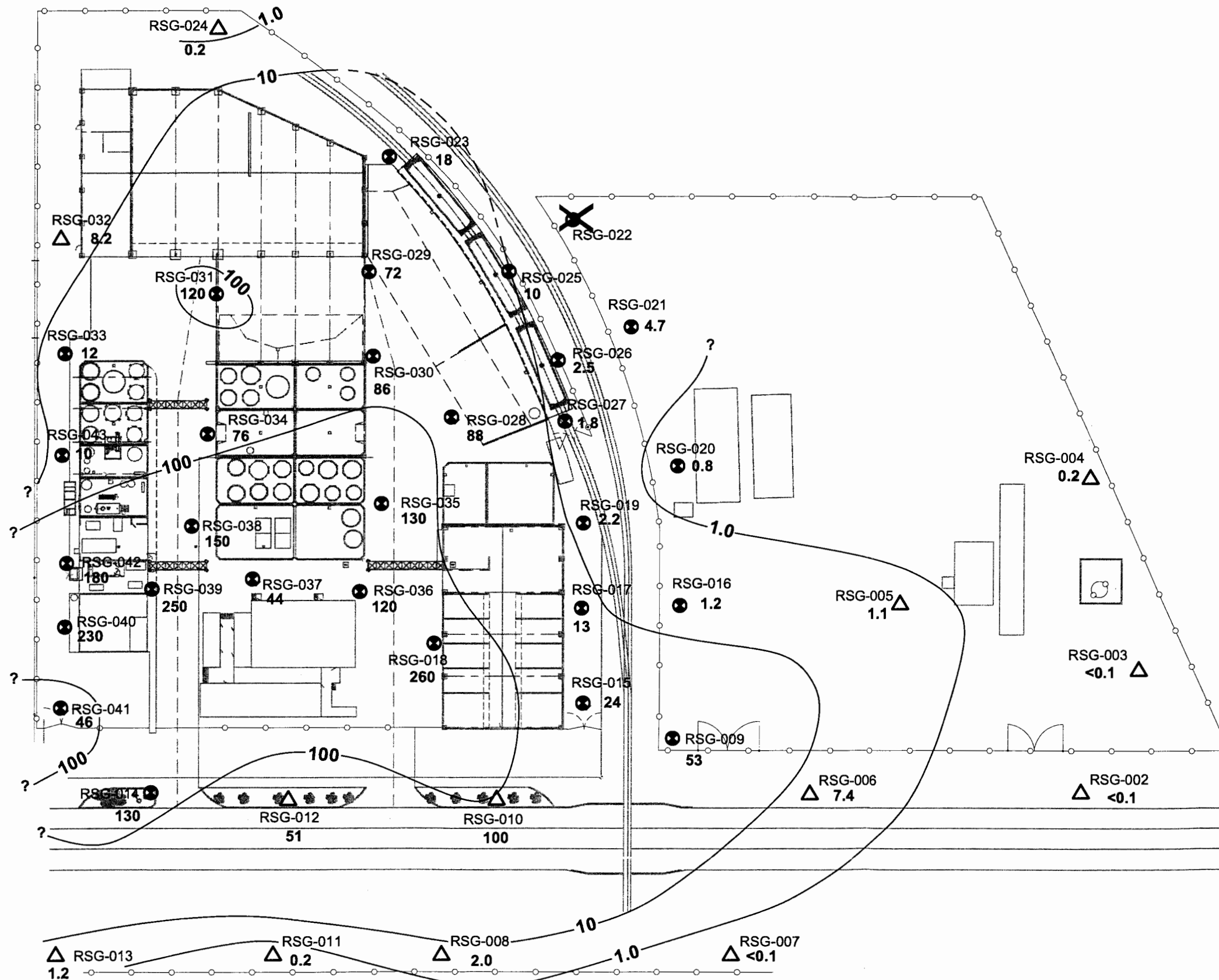


**IRIS ENVIRONMENTAL**  
1438 Webster Street, Suite 302  
Oakland, California 94612  
Ph. (510) 834-4747 Fax: (510) 834-4199

**Soil Gas Sampling Locations - TCE Detections**  
Romic Southwest  
Chandler, Arizona

Figure  
**6**

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**EXPLANATION:**

- dual depth soil gas sampling location (5' and 15' bgs)
- △ single depth soil gas sampling location (10' bgs)
- 4.7 PCE (Tetrachloroethene) - µg/L
- ✕ Location not sampled
- \* Data not used in contouring

Notes: At dual-depth sampling locations, only the highest detection is shown.  
1 µg/L = 1,000 µg/M<sup>3</sup>

**IRIS ENVIRONMENTAL**  
1438 Webster Street, Suite 302  
Oakland, California 94612  
Ph. (510) 834-4747 Fax: (510) 834-4199

**Soil Gas Sampling Locations - PCE Detections**  
Romic Southwest  
Chandler, Arizona

Drafter: EC

Date: 6/16/08

Figure

**7**

Contract Number: 07-555-B

## APPENDICES

## APPENDIX A

**APPENDIX A**  
**LABORATORY DATA REPORT**

H&P Mobile Geochemistry  
Report Number IR041408L5 – Job Number 07-555-B  
April 25, 2008



25 April 2008

Mr. Jeff Schmidt  
Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612  
RE: IR041408-L5

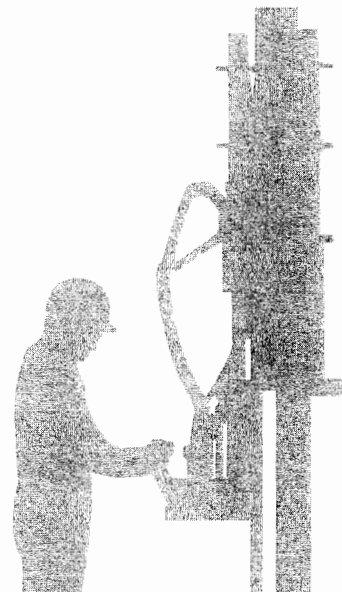
Enclosed are the results of analyses for samples received by the laboratory on 4/14/2008 -4/18/2008 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Janis Villarreal  
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 2088, 2278, 2543, 2579 and 2595.



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Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RSG-031-15, 1PV, P159cc	E804042-01	Vapor	14-Apr-08	14-Apr-08
RSG-031-15, 3PV, P443cc	E804042-02	Vapor	14-Apr-08	14-Apr-08
RSG-031-15, 7PV, P1011cc	E804042-03	Vapor	14-Apr-08	14-Apr-08
RSG-031-5, P1001cc	E804042-04	Vapor	14-Apr-08	14-Apr-08
RSG-032-10, P1006cc	E804042-05	Vapor	14-Apr-08	14-Apr-08
RSG-024-10, P1006cc	E804042-06	Vapor	14-Apr-08	14-Apr-08
RSG-023-5, P1001cc	E804042-07	Vapor	14-Apr-08	14-Apr-08
RSG-023-15, P1011cc	E804042-08	Vapor	14-Apr-08	14-Apr-08
RSG-030-5, P1001cc	E804042-09	Vapor	14-Apr-08	14-Apr-08
RSG-030-15, P1011cc	E804042-10	Vapor	14-Apr-08	14-Apr-08
RSG-023-5 dup, P1001cc	E804042-11	Vapor	14-Apr-08	14-Apr-08
RSG-016-5, P1001cc	E804042-12	Vapor	14-Apr-08	14-Apr-08
RSG-016-15, P1011cc	E804042-13	Vapor	14-Apr-08	14-Apr-08
RSG-020-5, P1001cc	E804042-14	Vapor	14-Apr-08	14-Apr-08
RSG-020-15, P1011cc	E804042-15	Vapor	14-Apr-08	14-Apr-08
RSG-021-5, P1330cc	E804042-16	Vapor	14-Apr-08	14-Apr-08
RSG-021-15, P1011cc	E804042-17	Vapor	14-Apr-08	14-Apr-08
RSG-018-5, P1001cc	E804042-18	Vapor	14-Apr-08	14-Apr-08
RSG-018-15, P1011cc	E804042-19	Vapor	14-Apr-08	14-Apr-08
RSG-018-15 dup, P1071cc	E804042-20	Vapor	14-Apr-08	14-Apr-08
RSG-036-5, P1001cc	E804046-01	Vapor	15-Apr-08	15-Apr-08
RSG-036-15, P1011cc	E804046-02	Vapor	15-Apr-08	15-Apr-08
RSG-015-5, P1001cc	E804046-03	Vapor	15-Apr-08	15-Apr-08
RSG-015-15, P1011cc	E804046-04	Vapor	15-Apr-08	15-Apr-08
RSG-017-5, P1001cc	E804046-05	Vapor	15-Apr-08	15-Apr-08
RSG-017-15, P1011cc	E804046-06	Vapor	15-Apr-08	15-Apr-08
RSG-019-5, P1001cc	E804046-07	Vapor	15-Apr-08	15-Apr-08
RSG-019-5 dup, P1061cc	E804046-08	Vapor	15-Apr-08	15-Apr-08



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RSG-019-15, P1011cc	E804046-09	Vapor	15-Apr-08	15-Apr-08
RSG-042-5, P1001cc	E804046-10	Vapor	15-Apr-08	15-Apr-08
RSG-042-15, P1011cc	E804046-11	Vapor	15-Apr-08	15-Apr-08
RSG-043-5, P1001cc	E804046-12	Vapor	15-Apr-08	15-Apr-08
RSG-043-15, P1011cc	E804046-13	Vapor	15-Apr-08	15-Apr-08
RSG-033-5, P1001cc	E804046-14	Vapor	15-Apr-08	15-Apr-08
RSG-033-15, P1011cc	E804046-15	Vapor	15-Apr-08	15-Apr-08
RSG-034-5, P1001cc	E804046-16	Vapor	15-Apr-08	15-Apr-08
RSG-034-15, P1011cc	E804046-17	Vapor	15-Apr-08	15-Apr-08
RSG-041-5, P1001cc	E804053-01	Vapor	16-Apr-08	16-Apr-08
RSG-041-15, P1011cc	E804053-02	Vapor	16-Apr-08	16-Apr-08
RSG-040-5, P1001cc	E804053-03	Vapor	16-Apr-08	16-Apr-08
RSG-040-15, P1011cc	E804053-04	Vapor	16-Apr-08	16-Apr-08
RSG-038-5, P1001cc	E804053-05	Vapor	16-Apr-08	16-Apr-08
RSG-038-15, P1011cc	E804053-06	Vapor	16-Apr-08	16-Apr-08
RSG-039-5, P1001cc	E804053-07	Vapor	16-Apr-08	16-Apr-08
RSG-039-15, P1011cc	E804053-08	Vapor	16-Apr-08	16-Apr-08
RSG-029-5, P1001cc	E804053-09	Vapor	16-Apr-08	16-Apr-08
RSG-029-15, P1011cc	E804053-10	Vapor	16-Apr-08	16-Apr-08
RSG-029-15 dup, P1071cc	E804053-11	Vapor	16-Apr-08	16-Apr-08
RSG-028-5, P1001cc	E804053-12	Vapor	16-Apr-08	16-Apr-08
RSG-028-15, P1011cc	E804053-13	Vapor	16-Apr-08	16-Apr-08
RSG-035-5, P1001cc	E804053-14	Vapor	16-Apr-08	16-Apr-08
RSG-035-15, P1011cc	E804053-15	Vapor	16-Apr-08	16-Apr-08
RSG-001-10, P1006cc	E804053-16	Vapor	16-Apr-08	16-Apr-08
RSG-008-10, P1006cc	E804053-17	Vapor	16-Apr-08	16-Apr-08
RSG-011-10, P1006cc	E804053-18	Vapor	16-Apr-08	16-Apr-08
RSG-013-10, P1006cc	E804053-19	Vapor	16-Apr-08	16-Apr-08



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RSG-037-15, P5207cc	E804061-01	Vapor	17-Apr-08	17-Apr-08
RSG-007-10, P1006cc	E804061-03	Vapor	17-Apr-08	17-Apr-08
RSG-014-5, P1001cc	E804061-04	Vapor	17-Apr-08	17-Apr-08
RSG-014-15, P1011cc	E804061-05	Vapor	17-Apr-08	17-Apr-08
RSG-012-10, P1006cc	E804061-06	Vapor	17-Apr-08	17-Apr-08
RSG-010-10, P1006cc	E804061-07	Vapor	17-Apr-08	17-Apr-08
RSG-006-10, P1006cc	E804061-08	Vapor	17-Apr-08	17-Apr-08
RSG-002-10, P1006cc	E804061-09	Vapor	17-Apr-08	17-Apr-08
RSG-003-10, P1006cc	E804061-10	Vapor	17-Apr-08	17-Apr-08
RSG-004-10, P1006cc	E804061-11	Vapor	17-Apr-08	17-Apr-08
RSG-005-10, P1006cc	E804061-12	Vapor	17-Apr-08	17-Apr-08
RSG-009-5, P5197cc	E804061-13	Vapor	17-Apr-08	17-Apr-08
RSG-009-15, P5207cc	E804061-14	Vapor	17-Apr-08	17-Apr-08
RSG-009-15 dup, P5267cc	E804061-15	Vapor	17-Apr-08	17-Apr-08
RSG-025-5, P5197cc	E804067-01	Vapor	18-Apr-08	18-Apr-08
RSG-025-15, P5207cc	E804067-02	Vapor	18-Apr-08	18-Apr-08
RSG-026-5, P5197cc	E804067-03	Vapor	18-Apr-08	18-Apr-08
RSG-026-15, P5207cc	E804067-04	Vapor	18-Apr-08	18-Apr-08
RSG-026-15 dup, P5267cc	E804067-05	Vapor	18-Apr-08	18-Apr-08
RSG-027-5, P5197cc	E804067-06	Vapor	18-Apr-08	18-Apr-08
RSG-027-15, P5207cc	E804067-07	Vapor	18-Apr-08	18-Apr-08

On Apr 14, the opening standard failed the 15% RSD criteria for 1,1,2-tca, for which there were detections. However, since it passed 20% RSD, we believe that the analyte results should be valid.



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-031-15, 1PV, P159cc (E804042-01) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.5	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.3	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.7	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	4.9	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	45	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	88	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

99.4 % 75-125  
109 % 75-125  
111 % 75-125

" " " "  
" " " "  
" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-031-15, 3PV, P443cc (E804042-02) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.3	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.7	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	4.5	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	42	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	82	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

103 %

75-125

"

"

"

"

Surrogate: 1,2-Dichloroethane-d4

108 %

75-125

"

"

"

"

Surrogate: 4-Bromofluorobenzene

106 %

75-125

"

"

"

"



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-031-15, 7PV, P1011cc (E804042-03) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.5	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.4	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	3.0	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	5.3	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	53	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.4	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	120	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

109 % 75-125

" " " "

Surrogate: 1,2-Dichloroethane-d4

116 % 75-125

" " " "

Surrogate: 4-Bromofluorobenzene

108 % 75-125

" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-031-5, P1001cc (E804042-04) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.2	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.0	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.1	0.1	"	"	"	"	"	"	
Chloroform	3.1	0.1	"	"	"	"	"	"	
<b>1,1,1-Trichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	1.8	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	43	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	110	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

**Volatile Organic Compounds by EPA Method 8260B**  
**H&P Mobile Geochemistry**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-032-10, P1006cc (E804042-05) Vapor    Sampled: 14-Apr-08    Received: 14-Apr-08</b>									
I,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.2	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.3	0.1	"	"	"	"	"	"	
<b>1,1,1-Trichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	3.9	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	8.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	75-125		"	"	"	"	





Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-024-10, P1006cc (E804042-06) Vapor</b> <b>Sampled: 14-Apr-08</b> <b>Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
Trichloroethene	ND	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

109 %    75-125

"    "    "    "

Surrogate: 1,2-Dichloroethane-d4

113 %    75-125

"    "    "    "

Surrogate: 4-Bromofluorobenzene

109 %    75-125

"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-023-5, P1001cc (E804042-07) Vapor</b> <b>Sampled: 14-Apr-08</b> <b>Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.3	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	1.8	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	19	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

108 %    75-125  
105 %    75-125  
106 %    75-125

"    "    "    "  
"    "    "    "  
"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-023-15, P1011cc (E804042-08) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.2	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	2.0	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	8.7	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

**Volatile Organic Compounds by EPA Method 8260B**  
**H&P Mobile Geochemistry**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-030-5, P1001cc (E804042-09) Vapor    Sampled: 14-Apr-08    Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.7	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.4	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	2.1	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.3	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	33	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	74	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		108 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-030-15, P1011cc (E804042-10) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.5	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
<b>Freon 113</b>	0.5	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.9	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	3.3	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.9	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	41	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.5	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	86	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-023-5 dup, P1001cc (E804042-11) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	1.7	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	18	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		116 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75-125		"	"	"	"	



Iris Environmental  
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Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-016-5, P1001cc (E804042-12) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	2.9	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.8	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		110 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75-125	"	"	"	"	"	



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Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-016-15, P1011cc (E804042-13) Vapor</b> <b>Sampled: 14-Apr-08</b> <b>Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.5	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	3.0	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	1.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

108 %    75-125

"    "    "    "

Surrogate: 1,2-Dichloroethane-d4

114 %    75-125

"    "    "    "

Surrogate: 4-Bromofluorobenzene

106 %    75-125

"    "    "    "





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1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-020-5, P1001cc (E804042-14) Vapor    Sampled: 14-Apr-08    Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	1.7	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.8	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

100 %

75-125

"

"

"

"

Surrogate: 1,2-Dichloroethane-d4

105 %

75-125

"

"

"

"

Surrogate: 4-Bromofluorobenzene

106 %

75-125

"

"

"

"



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1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-020-15, P1011cc (E804042-15) Vapor</b> <b>Sampled: 14-Apr-08</b> <b>Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.2	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.4	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.5	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	1.5	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.3	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

108 %    75-125  
109 %    75-125  
108 %    75-125

"    "    "    "  
"    "    "    "  
"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-021-5, P1330cc (E804042-16) Vapor    Sampled: 14-Apr-08    Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.7	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.5	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	1.5	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	7.5	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	4.0	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

106 %    75-125

Surrogate: 1,2-Dichloroethane-d4

109 %    75-125

Surrogate: 4-Bromofluorobenzene

110 %    75-125



Iris Environmental  
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Project: IR041408-L5  
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Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-021-15, P1011cc (E804042-17) Vapor    Sampled: 14-Apr-08    Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.7	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	2.1	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	2.4	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	8.8	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	4.7	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

110 %    75-125

"    "    "    "

Surrogate: 1,2-Dichloroethane-d4

115 %    75-125

"    "    "    "

Surrogate: 4-Bromofluorobenzene

113 %    75-125

"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-018-5, P1001cc (E804042-18) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	18	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.2	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	20	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
<b>Benzene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	110	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	99	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

110 % 75-125

" " " "

Surrogate: 1,2-Dichloroethane-d4

111 % 75-125

" " " "

Surrogate: 4-Bromofluorobenzene

110 % 75-125

" " " "



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1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-018-15, P1011cc (E804042-19) Vapor</b> <b>Sampled: 14-Apr-08</b> <b>Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	27	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	2.2	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	34	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.7	0.1	"	"	"	"	"	"	
<b>Benzene</b>	0.2	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	180	0.4	"	0.2	"	"	15-Apr-08	"	O-10
Toluene	ND	0.5	"	0.05	"	"	14-Apr-08	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	260	0.4	"	0.2	"	"	15-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	14-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

113 %    75-125  
113 %    75-125  
109 %    75-125

"    "    "    "  
"    "    "    "  
"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-018-15 dup, P1071cc (E804042-20) Vapor Sampled: 14-Apr-08 Received: 14-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81403	14-Apr-08	14-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	23	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.8	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	29	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.5	0.1	"	"	"	"	"	"	
<b>Benzene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	140	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	120	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		110 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		115 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

**Volatile Organic Compounds by EPA Method 8260B**  
**H&P Mobile Geochemistry**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-036-5, P1001cc (E804046-01) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	13	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	2.0	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	13	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	2.0	0.1	"	"	"	"	"	"	
<b>Benzene</b>	0.1	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	150	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	110	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		103 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	75-125		"	"	"	"	





Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-036-15, P1011cc (E804046-02) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	16	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	2.9	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.5	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	18	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	6.2	0.1	"	"	"	"	"	"	
<b>Benzene</b>	0.2	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	170	0.2	"	0.1	"	"	15-Apr-08	"	O-10
Toluene	ND	0.5	"	0.05	"	"	15-Apr-08	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	120	0.2	"	0.1	"	"	15-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	15-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		106 %		75-125	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %		75-125	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

**Volatile Organic Compounds by EPA Method 8260B**  
**H&P Mobile Geochemistry**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-015-5, P1001cc (E804046-03) Vapor    Sampled: 15-Apr-08    Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	3.0	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.4	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	9.2	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	18	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-015-15, P1011cc (E804046-04) Vapor</b> <b>Sampled: 15-Apr-08</b> <b>Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	5.0	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.7	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	16	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	24	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-017-5, P1001cc (E804046-05) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.5	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	4.7	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	3.6	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

112 % 75-125

" " " "

Surrogate: 1,2-Dichloroethane-d4

109 % 75-125

" " " "

Surrogate: 4-Bromofluorobenzene

113 % 75-125

" " " "



Iris Environmental  
1438 Webster St , Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-017-15, P1011cc (E804046-06) Vapor</b> <b>Sampled: 15-Apr-08</b> <b>Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.6	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.6	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.5	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	20	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	13	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-019-5, P1001cc (E804046-07) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	0.4	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

110 % 75-125  
113 % 75-125  
111 % 75-125

" " "  
" " "  
" " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-019-5 dup, P1061cc (E804046-08) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	0.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		109 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-019-15, P1011cc (E804046-09) Vapor    Sampled: 15-Apr-08    Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.2	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	4.4	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	2.2	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

110 %    75-125

"    "    "    "

Surrogate: 1,2-Dichloroethane-d4

109 %    75-125

"    "    "    "

Surrogate: 4-Bromofluorobenzene

113 %    75-125

"    "    "    "





Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-042-5, P1001cc (E804046-10) Vapor</b> <b>Sampled: 15-Apr-08</b> <b>Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.8	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	3.6	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	160	0.2	"	0.1	"	"	15-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	15-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

116 %    75-125  
109 %    75-125  
109 %    75-125

"    "    "    "  
"    "    "    "  
"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-042-15, P1011cc (E804046-11) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	1.4	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	0.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	0.3	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
Trichloroethene	5.6	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Tetrachloroethene	180	0.2	"	0.1	"	"	15-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	15-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	0.1	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

111 % 75-125  
113 % 75-125  
113 % 75-125

" " " "  
" " " "  
" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-043-5, P1001cc (E804046-12) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	0.2	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	6.8	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		121 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-043-15, P1011cc (E804046-13) Vapor</b> <b>Sampled: 15-Apr-08</b> <b>Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	0.3	0.1	"	"	"	"	"	"	
Chloroform	0.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
Trichloroethene	0.8	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Tetrachloroethene	10	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

112 %    75-125  
114 %    75-125  
114 %    75-125

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Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-033-5, P1001cc (E804046-14) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	1.1	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	3.4	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-033-15, P1011cc (E804046-15) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.4	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	4.2	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	12	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

112 % 75-125  
108 % 75-125  
113 % 75-125

" " "  
" " "  
" " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-034-5, P1001cc (E804046-16) Vapor    Sampled: 15-Apr-08    Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.4	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	1.3	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.9	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	23	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	76	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

112 %    75-125

"    "    "    "

Surrogate: 1,2-Dichloroethane-d4

120 %    75-125

"    "    "    "

Surrogate: 4-Bromofluorobenzene

116 %    75-125

"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-034-15, P1011cc (E804046-17) Vapor Sampled: 15-Apr-08 Received: 15-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81503	15-Apr-08	15-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.9	0.1	"	"	"	"	"	"	
<b>Methylene chloride</b>	0.1	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.5	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	1.8	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	1.4	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	24	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	55	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

114 % 75-125  
113 % 75-125  
113 % 75-125

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" " " "





Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-041-5, P1001cc (E804053-01) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.6	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	15	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	16	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	75-125	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	75-125	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	75-125	"	"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-041-15, P1011cc (E804053-02) Vapor</b> <b>Sampled: 16-Apr-08</b> <b>Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	4.4	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	46	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	46	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

107 %    75-125  
100 %    75-125  
111 %    75-125

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Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-040-5, P1001cc (E804053-03) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	0.9	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.1	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	5.9	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	70	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		111 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	75-125		"	"	"	"	



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-040-15, P1011cc (E804053-04) Vapor    Sampled: 16-Apr-08    Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.4	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.3	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.3	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	18	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	230	0.2	"	0.1	"	"	16-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	16-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

100 %    75-125  
104 %    75-125  
109 %    75-125

"    "    "    "  
"    "    "    "  
"    "    "    "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-038-5, P1001cc (E804053-05) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	2.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
<b>Freon 113</b>	0.5	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.5	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.5	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	1.2	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	38	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	150	0.2	"	0.1	"	"	16-Apr-08	"	O-10
Ethylbenzene	ND	0.1	"	0.05	"	"	16-Apr-08	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

96.7 %  
108 %  
114 %

75-125  
75-125  
75-125

"  
"  
"



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-038-15, P1011cc (E804053-06) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	2.5	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	0.5	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	1.1	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	1.3	0.1	"	"	"	"	"	"	
Chloroform	2.7	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	0.2	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
Trichloroethene	52	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Tetrachloroethene	140	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

108 % 75-125  
115 % 75-125  
108 % 75-125

" " "  
" " "  
" " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-039-5, P1001cc (E804053-07) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	3.9	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	0.5	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.7	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	0.8	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	45	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	150	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

103 % 75-125

" " " "

Surrogate: 1,2-Dichloroethane-d4

107 % 75-125

" " " "

Surrogate: 4-Bromofluorobenzene

114 % 75-125

" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
RSG-039-15, P1011cc (E804053-08) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	6.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	0.5	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
1,1-Dichloroethane	1.2	0.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	2.0	0.1	"	"	"	"	"	"	
Chloroform	1.7	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
Trichloroethene	78	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Tetrachloroethene	250	0.1	"	"	"	"	"	"	E
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

107 % 75-125  
112 % 75-125  
105 % 75-125

" " " "  
" " " "  
" " " "





Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

### Volatile Organic Compounds by EPA Method 8260B

#### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-029-5, P1001cc (E804053-09) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.1	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.2	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.7	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	1.9	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	28	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	68	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

115 % 75-125

" " " "

Surrogate: 1,2-Dichloroethane-d4

117 % 75-125

" " " "

Surrogate: 4-Bromofluorobenzene

113 % 75-125

" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-029-15, P1011cc (E804053-10) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.4	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.5	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.7	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.9	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	37	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.1	0.1	"	"	"	"	"	"	
<b>Tetrachloroethane</b>	72	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

106 % 75-125  
112 % 75-125  
107 % 75-125

" " " "  
" " " "  
" " " "



Iris Environmental  
1438 Webster St., Suite 302  
Oakland, CA 94612

Project: IR041408-L5  
Project Number: 07-555-B / 6760 W. Allison Rd.  
Project Manager: Mr. Jeff Schmidt

Reported:  
25-Apr-08

## Volatile Organic Compounds by EPA Method 8260B

### H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>RSG-029-15 dup, P1071cc (E804053-11) Vapor Sampled: 16-Apr-08 Received: 16-Apr-08</b>									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	ED81603	16-Apr-08	16-Apr-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	1.3	0.1	"	"	"	"	"	"	
Methylene chloride	ND	0.1	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.1	"	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	1.4	0.1	"	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	0.7	0.1	"	"	"	"	"	"	
<b>Chloroform</b>	2.9	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
Benzene	ND	0.1	"	"	"	"	"	"	
<b>Trichloroethene</b>	33	0.1	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
<b>1,1,2-Trichloroethane</b>	0.2	0.1	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	57	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	0.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
m,p-Xylene	ND	0.5	"	"	"	"	"	"	
o-Xylene	ND	0.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		118 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	75-125		"	"	"	"	

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## Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159  
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4-14-08  
 H&P Project # 1R041408-LS  
 Outside Lab: \_\_\_\_\_

Client: IRIS ENVIRONMENTAL  
 Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 2 of 2  
 Client Project # 07-555-13 Project Contact: JEFF SCHMIDT  
 Location: 6760 W. ALLISON RD, CHANDLER, AZ  
 Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes ☐ No ☐

Global ID: \_\_\_\_\_

## Sample Receipt

Intact: ☒ Yes ☐ No  
 Seal Intact: ☐ Yes ☐ No ☒ N/A  
 Cold: ☐ Yes ☐ No  
☒ N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext	418.1 TRPH	8021 for BTEX/MTBE	8260B				TO-15		LCC (specify) <u>1, 1-D, 1-A</u>	Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15	Methane	Fixed Gases <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> O <sub>2</sub> <input type="checkbox"/> N <sub>2</sub>	Total # of containers	
										BTEX / Oxygenates	TPH gas	VOC's	DTSC/LARWQCB	Ketones	Full List						BTEX/MTBE
MSG 23-5	<u>dup</u>	1001	13:15	4-14-08	VAPOR	SYRINGE															1
MSG 016-5		1001	13:46																		1
MSG 016-15		1011	13:48																		1
MSG 020-5		1001	14:12																		1
MSG 020-15		1011	14:25																		1
MSG 021-5		1330	15:14																		1
MSG 021-15		1011	15:34																		1
MSG 018-5		1001	16:00																		1
MSG 018-15		1011	16:11																		1
MSG 018-15	<u>dup</u>	1071	16:12																		1
Relinquished by: (Signature) _____ (company) _____							Received by: (Signature) <u>Mark Latty</u> (company) <u>H&amp;P MC</u>							Date: <u>4-14-08</u>		Time: <u>16:40</u>					
Relinquished by: (Signature) _____ (company) _____							Received by: (Signature) <u>Jeff Schmidt</u> (company) <u>IRIS ENV</u>							Date: <u>4-14-08</u>		Time: <u>16:40</u>					
Relinquished by: (Signature) _____ (company) _____							Received by: (Signature) _____ (company) _____							Date: _____		Time: _____					

\*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ Return to client☐ Pickup

**Holding Times:** Holding times are carefully monitored by H&P MOBILE GEOCHEMISTRY (H&P) since this is a vital part of quality control procedures H&P will make every effort to perform analysis within the applicable holding times established by the EPA or equivalent methodology. However, samples and sample integrity are ultimately the responsibility of the client. H&P reserves the right to apply rush analysis surcharges to prices in order to meet holding time constraints.

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## Chain of Custody Record

Date: 4-15-08  
H&P Project # IR 041408-LS  
Outside Lab: \_\_\_\_\_

Client: IRIS ENVIRONMENTAL  
Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 1 of 2  
Client Project # 07-555-13 Project Contact: JEFF SCHMIDT  
Location: 6760 W. ALLISON RD, CANDLELIK, AZ  
Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes ☐ No ☐

Global ID: \_\_\_\_\_

## Sample Receipt

Intact: ☒ Yes ☐ No  
Seal Intact: ☐ Yes ☐ No ☒ N/A  
Cold: ☐ Yes ☐ No  
☒ N/A (Received on Site)

## Special Instructions:

RESAMPLED - RSG018-15 = 08:15  
for dilution  
RESAMPLED - RSG036-5 + 15 = 09:18 + 09:20

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext	418.1 TRPH	8021 for BTEX/MTBE	BTEX / Oxygenates	TPH gas	VOC's	DTSC/LARWQCB	Ketones	Full List	BTEX/MTBE	LCC (specify) <u>1,1-D1A</u>	Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15	Methane	Fixed Gases <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2	Total # of containers
RSG036-5		1001	8:36	4-15-08	VANDU	SYNTH							X				X				1
RSG036-15		1011	8:46										X				X				1
RSG015-5		1001	9:53										X				X				1
RSG015-15		1011	10:08										X				X				1
RSG017-5		1001	10:34										X				X				1
RSG017-15		1011	10:53										X				X				1
RSG019-5		1001	11:07										X				X				1
RSG019-5	dup	1061	11:07										X				X				1
RSG019-15		1011	11:37										X				X				1
RSG042-5		1001	12:07										X				X				1
Relinquished by: (Signature)		(company)			Received by: (Signature)													Date: <u>4-15-08</u>		Time: <u>15:46</u>	
Relinquished by: (Signature)		(company)			Received by: (Signature)													Date: <u>4-14-08</u>		Time: <u>15:40</u>	
Relinquished by: (Signature)		(company)			Received by: (Signature)													Date: _____		Time: _____	

\*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ Return to client☐ Pickup

**Holding Times:** Holding times are carefully monitored by H&P MOBILE GEOCHEMISTRY (H&P) since this is a vital part of quality control procedures H&P will make every effort to perform analysis within the applicable holding times established by the EPA or equivalent methodology. However, samples and sample integrity are ultimately the responsibility of the client. H&P reserves the right to apply rush analysis surcharges to prices in order to meet holding time constraints.

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## Chain of Custody Record

Date: 4-15-08  
H&P Project # 1R04/408-L5  
Outside Lab: \_\_\_\_\_

Client: IRIS ENVIRONMENTAL  
Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 2 of 2  
Client Project # 07-555-B Project Contact: JEFF SCHMIDT  
Location: 6760 W. ALLISON RD, CHANDLER, AZ  
Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes ☐ No ☐

Global ID: \_\_\_\_\_

## Sample Receipt

Intact: ☒ Yes ☐ No  
Seal Intact: ☐ Yes ☐ No ☒ N/A  
Cold: ☐ Yes ☐ No  
N/A (Received on Site)

Special Instructions:

RESAMPLED RSG-042-5 + 15 = 14:56 + 14:58

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext	418.1 TRPH	8021 for BTEX/MTBE	8260B	TO-15	LCC (specify) <u>1, 1-DFA</u>	Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15	Methane	Fixed Gases <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2	Total # of containers
RSG-042-15		1011	12:18	4-15-08	VAPOR SWIRL							X				1
RSC-043-15		1001	12:42									X				1
RSG-043-15		1011	12:58									X				1
RSG-033-5		1001	13:32									X				1
RSG-033-15		1011	13:48									X				1
RSG-034-5		1001	14:14									X				1
RSG-034-15		1011	14:25									X				1

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Received by: (Signature) Mark Lutter (company) H&P MGReceived by: (Signature) Jeff Schmidt (company) IRIS Env.

Received by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Date: 4-15-08 Time: 15:40Date: 4-15-08 Time: 15:40

Date: \_\_\_\_\_ Time: \_\_\_\_\_

\*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each ☐ Return to client ☐ Pickup

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Date: 4.16.08  
H&P Project # 1R041408-L5  
Outside Lab: \_\_\_\_\_

Client: IRIS ENVIRONMENTAL  
Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 1 of 2  
Client Project # 07-555-13 Project Contact: JEFF SCHMIDT  
Location: 6760 W. ALLISON RD, CHANDLER, AZ  
Fax: \_\_\_\_\_ Turn around time: ON SITE

Global ID:

Intact: ☒ Yes ☐ No  
Seal Intact: ☐ Yes ☐ No ☒ N/A  
Cold: ☐ Yes ☐ No  
N/A (Received on Site)

Special Instructions:

EDF: Yes <input type="checkbox"/> No <input type="checkbox"/>					Sample Receipt						8260B		TO-15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ *Return to client*☐ Pickup

**Holding Times:** Holding times are carefully monitored by H&P MOBILE GEOCHEMISTRY (H&P) since this is a vital part of quality control procedures H&P will make every effort to perform analysis within the applicable holding times established by the EPA or equivalent methodology. However, samples and sample integrity are ultimately the responsibility of the client. H&P reserves the right to apply rush analysis surcharges to prices in order to meet holding time constraints.

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**Sample Collection:** H&P does not accept any liability with regard to the collection, preservation technique, or transportation method of samples by clients.

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Date: 4.16.08  
H&P Project # HR 041402-L5  
Outside Lab: \_\_\_\_\_

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Client: IRIS ENVIRONMENTAL Collector: MARK L. Page: 2 of 2  
Address: 1436 WEBSTER ST, SUITE 302 Client Project # 07-555-B Project Contact: JEFF SCHMIDT  
OAKLAND, CA 94612 Location: 6760 W. ALLISON RD, CHANDLER, AZ  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes <input type="checkbox"/> No <input type="checkbox"/>		Global ID: _____		<b>Sample Receipt</b> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Cold: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A (Received on Site)		TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext 418.1 TRPH 8021 for BTEX/MTBE		8260B BTEX / Oxygenates TPH gas VOC's DTSC/LARWQCB Ketones		TO-15 Full List BTEX/MTBE		LCC (specify) <u>1,1-DEA</u> Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15 Methane Fixed Gases <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2		Total # of containers	
Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type									
RSG-029-15	dwp	1071	11:46	4/16/08	VAPOR	SURVEILLANCE								1	
RSG-028-5		1001	12:27											1	
RSG-028-15		1011	12:47											1	
RSG-035-5		1001	13:15											1	
RSG-035-15		1011	13:30											1	
RSG-001-10		1006	14:20											1	
RSG-008-10		1006	14:42											1	
RSG-011-10		1006	15:01											1	
RSG-013-10		1006	15:20											1	

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Received by: (Signature) Mark Lattley (company) H&P MC  
 Received by: (Signature) [Signature] (company) Iris Env.  
 Received by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Date: 4-16-08 Time: 16:00  
 Date: 4-16-08 Time: 16:00  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

*Sample disposal instruction:*

☐ Disposal @ \$2.00 each☐ *Return to client*☐ Pickup

**Holding Times:** Holding times are carefully monitored by H&P MOBILE GEOCHEMISTRY (H&P) since this is a vital part of quality control procedures H&P will make every effort to perform analysis within the applicable holding times established by the EPA or equivalent methodology. However, samples and sample integrity are ultimately the responsibility of the client. H&P reserves the right to apply rush analysis surcharges to prices in order to meet holding time constraints.

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

## Chain of Custody Record

Date: 4-17-08  
 H&P Project # 1R041408-L5  
 Outside Lab: \_\_\_\_\_

Client: KRIS ENVIRONMENTAL  
 Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 1 of 2  
 Client Project # 07-555-B Project Contact: JEFF SCHMIDT  
 Location: 6760 W. ALLISON RD, CHANDLER, AZ  
 Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes ☐ No ☐

Global ID: \_\_\_\_\_

## Sample Receipt

Intact: ☒ Yes ☐ No  
 Seal Intact: ☐ Yes ☐ No ☒ N/A  
 Cold: ☐ Yes ☐ No  
☒ N/A (Received on Site)

Special Instructions: \_\_\_\_\_

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext	418.1 TRPH	8021 for BTEX/MTBE	8260B		TO-15		LCC (specify) <u>1,1-DEA</u>	Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15	Methane	Fixed Gases <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2	Total # of containers
										BTEX / Oxygenates	TPH gas	VOC's	DTSC/LARWQCB					
RSG-037-15		5207	9:40	4-17-08	VAPOR SYRINGER													1
<del>RSG-037-5</del>	<del>failed LCC</del>	<del>5197</del>	<del>10:30</del>															1
RSG-007-10		1006	10:52															1
RSG-014-5		1001	11:15															1
RSG-014-15		1011	11:30															1
RSG-012-10		1006	11:49															1
RSG-010-10		1006	12:07															1
RSG-006-10		1006	12:49															1
RSG-002-10		1006	13:07															1
RSG-003-10		1006	13:31															1

Relinquished by: (Signature)

(company)

Received by: (Signature)

(company)

Date:

Time:

Relinquished by: (Signature)

(company)

Received by: (Signature)

(company)

Date:

Time:

Relinquished by: (Signature)

(company)

Received by: (Signature)

(company)

Date:

Time:

\*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ Return to client☐ Pickup

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Date: 4-17-08  
H&P Project # 1R041408-25  
Outside Lab:

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159  
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4-17-08  
H&P Project # 1R041408-25  
Outside Lab:

Client: IRIS ENVIRONMENTAL  
Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARIC L Page: 2 of 2  
Client Project # 07-555-B Project Contact: JEFF SCHMIDT  
Location: 6760 W. ALLISON RD, CHANDLER, AZ  
Fax: \_\_\_\_\_ Turn around time: ON SITE

Global ID:

Intact: ☒ Yes ☐ No  
Seal Intact: ☐ Yes ☐ No ☒ N/A  
Cold: ☐ Yes ☐ No  
N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH	418	802	BTE	TPH	VOO	DTS	Ket	Full	BTE	LCC	Nap	Met	Fixe	Total
RSG-004-10		1006	13:49	4-17-08	VAPOR	SYRINGE							X				X				1
RSG-005-10		1006	14:05										X				X				1
RSG-009-5		5197	14:42										X				X				1
RSG-009-15		5207	15:06										X				X				1
RSG-009-15	dup	5267	15:10										X				X				1
<div> <div>Relinquished by: (Signature)</div> <div>(company)</div> </div> <div> <div>Received by: (Signature)</div> <div>(company)</div> </div> <div> <div>Relinquished by: (Signature)</div> <div>(company)</div> </div> <div> <div>Received by: (Signature)</div> <div>(company)</div> </div> <div> <div>Relinquished by: (Signature)</div> <div>(company)</div> </div> <div> <div>Received by: (Signature)</div> <div>(company)</div> </div> <div> <div>Date: 4-17-08</div> <div>Time: 15:30</div> </div> <div> <div>Date: 4-17-08</div> <div>Time: 15:30</div> </div>																					

*Sample disposal instruction:*

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

# Chain of Custody Record

Date: 4-18-08  
H&P Project # 12041408-LS  
Outside Lab: \_\_\_\_\_

Client: IRIS ENVIRONMENTAL  
Address: 1438 WEBSTER ST, SUITE 302  
OAKLAND, CA 94612  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Collector: MARK L Page: 1 of 1  
Client Project # 07-555-13 Project Contact: JEFF SCHMIDT  
Location: 6760 W. ALLISON RD, CHANDLER, AZ  
Fax: \_\_\_\_\_ Turn around time: ON SITE

EDF: Yes ☐ No ☐

Global ID: \_\_\_\_\_

## Sample Receipt

Intact: ☒ Yes ☐ No  
Seal Intact: ☐ Yes ☐ No ☒ N/A  
Cold: ☐ Yes ☐ No  
N/A (Received on Site)

Special Instructions:

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH <input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> ext	418.1 TRPH	8021 for BTEX/MTBE	BTEX / Oxygenates	TPH gas	VOC's	DTSC/LARWQCB	Ketones	Full List	BTEX/MTBE	LCC (specify) <u>1,1-DFA</u>	Naphthalene <input type="checkbox"/> 8260B <input type="checkbox"/> TO-15	Methane	Fixed Gases <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2	Total # of containers
RS6-025-5		5197	9:29	4-18-08	VAPOR	GYRWLE							X				X				1
RS6-025-15		5207	9:43										X				X				1
RS6-026-5		5197	10:17										X				X				1
RS6-026-15		5207	10:34										X				X				1
RS6-026-15	<u>deep</u>	5267	10:34										X				X				1
RS6-027-5		5197	11:11										X				X				1
RS6-027-15		5207	11:25										X				X				1

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Date: 4-18-08

Time: 12:00

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Date: 4-18-08

Time: 12:00

Relinquished by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Received by: (Signature) \_\_\_\_\_ (company) \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

\*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each

☐ Return to client

☐ Pickup

**Holding Times:** Holding times are carefully monitored by H&P MOBILE GEOCHEMISTRY (H&P) since this is a vital part of quality control procedures H&P will make every effort to perform analysis within the applicable holding times established by the EPA or equivalent methodology. However, samples and sample integrity are ultimately the responsibility of the client. H&P reserves the right to apply rush analysis surcharges to prices in order to meet holding time constraints.

**Sample Archiving:** H&P retains all samples received for a period of one month, including samples designated as "hold". Upon specific written request of the client, samples may be held for a defined period beyond one month. H&P reserves the right to charge for the extended holding of samples.

**Hazardous Samples:** Hazardous or difficult to dispose samples may be returned to the client. All samples received by H&P are subject to a per sample disposal fee.

**Reporting Results:** Analyses are reported in wet weight values. Dry weight values may be obtained when moisture content analysis is performed at an additional cost.

**Payment Terms:** Standard credit terms are net 30 days, and are independent of when clients are compensated. H&P reserves the right to require payment in advance until a credit application has been approved. Credit limits may at any time be increased or decreased, based upon payment history. Accounts over 30 days are subject to 1.5% per month interest (18% per annum). Delinquent accounts are liable for legal costs and fees incurred by H&P in its efforts to collect outstanding balances.

**Sample Collection:** H&P does not accept any liability with regard to the collection, preservation technique, or transportation method of samples by clients.

**Limit of Liability:** H&P strives to perform all services in accordance with the local standard of care in the geographic region at the time the services are rendered. Clients should recognize that all samples and sampling events are unique, and that not all samples can be successfully analyzed by generally accepted methods. If analysis proves unsuccessful, the total liability of H&P shall not exceed three times the invoiced amount for the services provided. This limit of liability shall supercede all clauses to the contrary, implied or otherwise, in any client purchase order or contract, unless different terms are authorized in advanced in writing by an officer of H&P.